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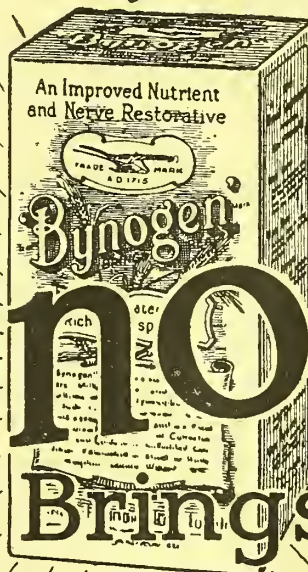
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Gallic Acid

Glycerophosphates
Guaiacol Carbonate
Heliotropin
Hexamine
Homatropine
Hydroquinone
Isarol (best Ichthyol
substitute)
Lithia Carbonate
Lithol (Ichthyol substitute)
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Pepsines, Pancreatin, Pep-
tone and other digestive
Ferments
Phenacetin

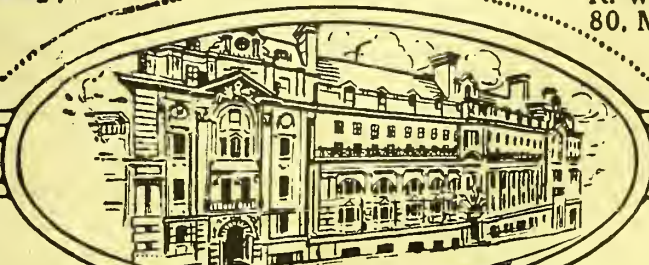
Phenazone
Pyrogallic Acid
Potassium Sulpho-
Guaiacolate
Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
Salicylic Acid
Salicylate of Soda
Salol
Sugar of Milk
Tannic Acid
Tannin Albuminate
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

R. W. Greeff & Co. THAMES HOUSE, QUEEN ST.
PLACE, LONDON, E.C.

MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street.

NEW YORK AGENTS:
R. W. Greeff & Co.,
80, Maiden Lane.

BRIDGE
BRAND



THAMES HOUSE.

BRIDGE
BRAND





THE FRENCH NATURAL MINERAL — WATER. — **VICHY-CÉLESTINS**

DISORDERS of the **LIVER, GOUT,**
Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the **SOLE AGENTS:** **INGRAM & ROYLE, Ltd.,** Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.



There is no better
Flask made than the

"ALL BRITISH" VACUUM FLASK,

of which not only the protective
outer casing but the essential
glass vacuum bottle are

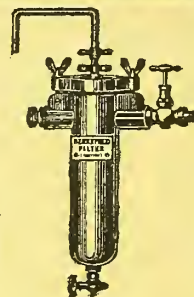
MADE IN ENGLAND.

SOLE MAKERS—

AERATORS LIMITED

"Prana" Sparklet Works,
UPPER EDMONTON, LONDON, N.

GAINING A FILTER REPUTATION.



There is a big business to
be procured by becoming
known as the Agents for a
sound and reliable Filter.

THE BERKEFELD FILTER

recognised as the leader among Filters, is a
quick and ready seller, the system of filtra-
tion being so simple and yet so efficacious.

The Berkefeld Filter is now owned and manufactured
by Slack & Brownlow, of Manchester, who have had
nearly 90 years' experience of Filter Manufacture.

Catalogues and Illustrated Lists
gladly sent on request to

THE BERKEFELD FILTER CO. (BRITISH)
Imperial House, Kingsway, LONDON, W.C. 2.

Telephone: Gerrard 3994.

(1)

Develop your Table Water Trade.

A remarkable War opportunity.

You can build up a large, permanent, and valuable Trade within the next few weeks if you stock Salutaris, the famous British Table Water.

Wine, beer, mineral waters—all are growing daily scarcer and more expensive. But the supplies of Salutaris are practically unlimited. Put Salutaris where people can see it—and they will buy it.

The merits of Salutaris are being advertised throughout the Kingdom—and in the papers your customers read. Thousands of pounds are being spent; tens of thousands of customers will soon be asking for Salutaris.

Salutaris

“No foreign Table Water,” said Sir Henry Thompson, “is so pure, or half so easy to obtain.” And though Salutaris is still quite cheap in price, you will find it where ambassadors and princes dine together—at the Ritz, at the Carlton, at the Savoy.

The trade in Salutaris is a good-class trade; a quick trade, and a profitable trade. Do not let it pass your door. The time to order is now, for the big advertising is just beginning, and the shortage of competing lines is increasing every day.

Write to-day for full particulars and prices.

FOR DISPENSING.

Experience shows that Salutaris A.D. Water is far superior to ordinary distilled water for use in dispensing, for the exceptional purity of Salutaris develops the full power of drugs, perfecting their action, and ensuring that highest degree of excellence which alone can yield the results required by the physician. These results are due to the Salutaris Process of Distillation, which possesses an hygienic value not approached in merit by any other system.

**To the SALUTARIS CO., LTD.,
236 Fulham Road, LONDON, S.W. 10.**

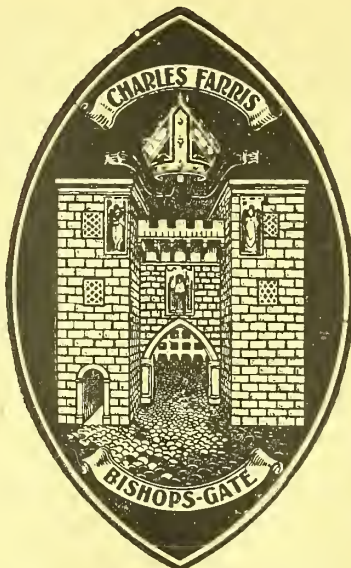
Kindly send full particulars and trade and retail prices of your Still and Sparkling Salutaris, as well as particulars of your “A.D.” water for dispensing.

Signed.....

Business Address.....

C. & D.

Please write clearly.



BEES

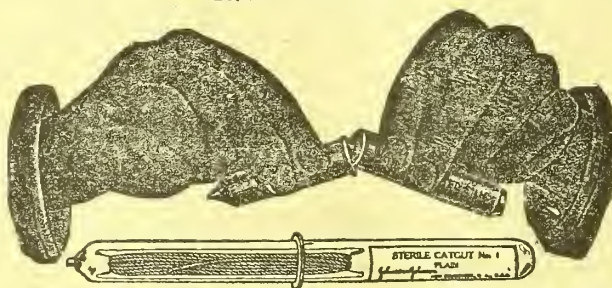
WAX

"FARRIS'S"

The Real Old-fashioned, Guaranteed Genuine Air-Bleached, B.P.

LIGATURES.

BREAKABLE TUBES.



LIGATURES.

LIGATURES.

RELIABLE

In ligature and suture material, there can be nothing better conceived for the sterile and aseptic preparation and conveyance of the same, than a hermetically sealed glass tube. Catgut or silk, as it is prepared in our laboratories must reach the surgeon's hands in absolutely sterile condition.

This is our positive guarantee.

These Tubes possess advantages known to no other tubes. The perfection of Johnson & Johnson's Laboratory preparation of Ligature and suture material cannot be obtained elsewhere.

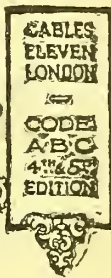
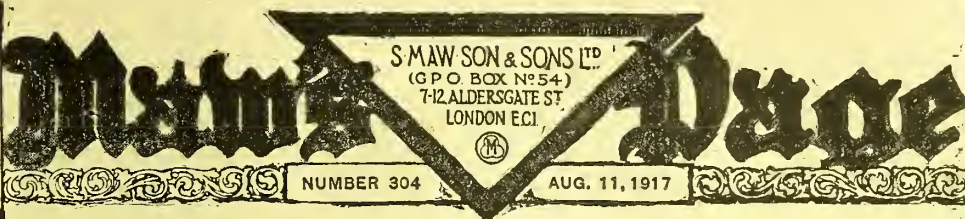
Specify
JOHNSON & JOHNSON,

or write for
"HANDBOOK OF LIGATURES"
and sample of STERILE CATGUT.

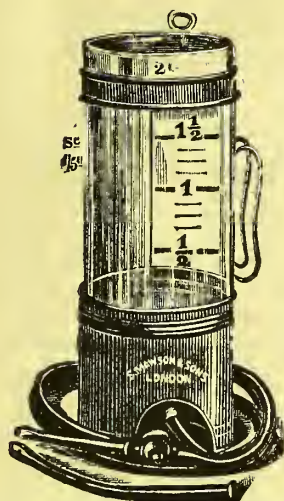
To Sole Agents:
JOHN TIMPSON & Co., Ltd.,
104, Golden Lane, E.C.

TELEGRAMS:
"POROUS LONDON."

TELEPHONE:
CITY 6310.



ALL-BRITISH DOUCHES



MAW'S "CRYSTAL" DOUCHE.

The famous "CRYSTAL" is fitted with glass lining in white japanned frame. Supplied with vulcanite stopcock and vaginal and rectal pipes, and 6-ft. length of either red or black tubing.

Prices :

| | | |
|-------|-----------|---------------|
| 1 Qt. | 1 1/2 Qt. | 2 Qt. |
| 58/- | 64/- | 69/- per doz. |

The "FAMILY" is supplied with vulcanite stopcock and vaginal and rectal pipes, and 6-ft. length of either red or black tubing.

Prices :

| | | |
|-------|-------|---------------|
| 1 Qt. | 3 Pt. | 2 Qt. |
| 35/- | 38/6 | 40/- per doz. |

Either pattern fitted with best tubing, 10/- per doz. extra.



MAW'S "FAMILY" DOUCHE.

'PAREX' TOOTH POWDER

There is no Tooth Powder quite like "PAREX," no other brand quite so rich in cleansing and antiseptic properties—the fragrant dentifrice in the handsome art tin.

PRICE 8/6 PER DOZ. (WITH BONUS)



MASON'S EXTRACT of HERBS



The most Refreshing, Delightful,
Exhilarating, Health-giving, Eco-
nomical, Thirst-quenching Beverage
in the World.

THE CHEAPEST HARVEST DRINK.

MANUFACTURERS :

NEWBALL & MASON NOTTINGHAM.

We offer

WAXES

PETRO. JELLY

LIQUID PARAFFIN

B.P.

WHITE OILS

Send us your inquiries.

J. J. FRANCES & SONS, LIMITED,

80a Southwark St., LONDON, S.E. 1.

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow
and golden, for pharmaceutical
purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller
packages according to requirements.

Inquiries are solicited for this article
of **BRITISH MANUFACTURE**, and
buyers may rely that for quality and
price it will meet any competition.

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

*Phone: 186 Bootle.

Wires: "Cestrian Liverpool."



The Finest Quality
Aerated Waters are
made only with
the Finest Quality
ESSENCES

Boake Roberts'

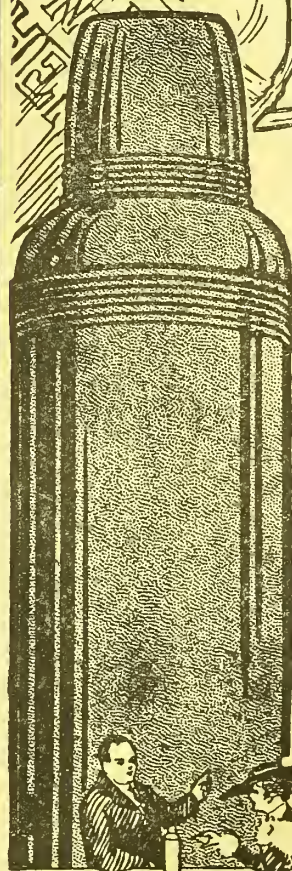
Soluble Essences are
of the finest quality
and being extremely
concentrated are
most economical

| | |
|------------|-----------------------|
| Lemon | Ginger Ale |
| Orange | Stone Ginger (Cloudy) |
| Ginger | Clear Ginger Beer |
| Raspberry | Kola Champagne |
| Strawberry | Lime Juice and Soda |
| Pineapple | Lemon Squash |
| | Vanilla |

A. Boake Roberts & Co. L^d
Stratford, London

THERMOS

BACKS YOU UP



EVERY genuine THERMOS has the goodwill of over ten million satisfied users behind it. Add to this the fact that ten years of THERMOS advertising has created a world-wide market. If this great selling-force is not sufficient argument, we will supply you plentifully with Catalogues, Folders, Price Lists, Leaflets and other selling helps. In these ways THERMOS backs you up. The name THERMOS is a power for good; use it in the right way by stocking and selling the genuine article.

Catalogues, etc.,
on request.

THERMOS Ltd.

Byron House,
2 & 4 Finsbury
Street,
London, E.C.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

FRAME FOOD

ON P.A.T.A. LIST. SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

WINGARNIS

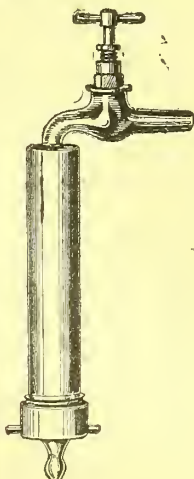
Sells readily ALL the time.

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

**IMPORTANT NOTE
TO CHEMISTS
WITHOUT LICENCES**

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" without a licence.

**PURE
DRINKING WATER.**



**The
Pasteur
Chamberland
Filter.**

OFFICIAL GOVERNMENT
STATEMENT:

Wherever the **PASTEUR
FILTER** has been applied,
TYPHOID FEVER has
disappeared.

WRITE FOR LIST B.

SOLE MAKERS:

The British Pasteur Chamberland Filter Co.
5 WHITE STREET, FINSBURY,
LONDON, E.C. 2.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,
— Manufacturing Chemists —

HULL

INVITE the Trade to take up the following valuable
P.A.T.A. Protected Lines, bearing a large Protected
Retail Profit, which sell freely and are well known
and valued by the Public in many parts of the country.

| | P.A.T.A. | Protected Retail Price. | Dozen Net. |
|--|-----------------------------|----------------------------|---------------|
| *LOSALL'S SALT (well advertised), tins | 7½d. | | 5/6 |
| * " " " " " " | 1/2 | | 10/- |
| * " " " " " " | bottles in cartons } 1/6 | | 12/- |

***Losall's Salt sells so well, surely it
must pay Pharmacists to stock such
a large profit-bearing protected line.**

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, } 13/6 per dozen
especially suitable for use in Eczema } boxes net.

Chemists requiring effective advertising matter for
Losall's Salt, &c., will, on application direct to
Lofthouse & Saltmer, receive a liberal supply of
Dummies, Showcards, Window Slips, Price Tickets,
&c., Carriage Paid, whether or no they have an
account open with the Firm.



FREEMANS
REAL TURTLE
Soup Cubes
"Ready to Serve."

Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.

Made in a minute with boiling water.

To retail in 1/- Cartons containing 4 Cubes,

THE WATFORD
MFG. CO., LTD.,
Makers of
Freemans Table
Dainties Boisseliers
(Boy-sel-e-a) Chocolates
and Vi-Cocoa,
Victoria Wks. Watford

Freemans
READY SOUPS
Watford

LIQUID GLUCOSE

SO₂ Free.

NO BLUEING USED.

**Specially pure for
Pharmaceutical Preparations.**

THE
MANBRÉ SACCHARINE
Co., Ltd.,

HAMMERSMITH, LONDON, W. 6.



GENATOSAN'S FORTNIGHTLY LETTER.

No. 5.—More About Our New "Identification Disc."

DEAR SIR,

We recently announced that the "Identification Disc" illustrated above would in future be attached to all our products, and we said: "If you would like to affix this seal to your present stocks we shall be pleased to send a supply on hearing from you as to the number you require for each of our preparations."

Apparently we did not make our meaning clear; for some pharmacists have written us to send them hundreds of these discs, while others have omitted to specify how many they require for each of our products.

We would therefore point out that it is only necessary for you to affix the discs to the actual stocks you have in hand at the present time; all further stocks that you order from us will be ready labelled with the disc.

We would also point out that the discs vary in size and wording according to the particular preparation and the particular size of the package for which each is intended. Thus the disc for a 9/6 Sanatogen differs from the disc for a 1/3 Albulactin and so forth.

We therefore request you to tell us how many you have in stock of each size of each of our preparations; we can then send you the discs you require.

We are, dear Sir,

Yours faithfully,

GENATOSAN, Ltd.

(Chairman: Lady Mackworth)

12 Chenies Street, London, W.C. 1.

1917
We can deliver at once New 1917
HIGHEST QUALITY NORWEGIAN
MEDICINAL NON-FREEZING
COD LIVER OIL

**PROMPT
DELIVERY**



**LOWEST
PRICES**

ISAAC SPENCER & Co. (ABERDEEN) LTD. ABERDEEN



Savaresse's Capsules

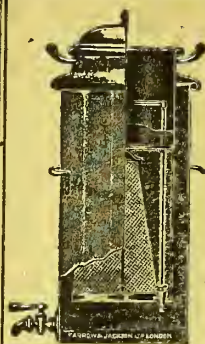
(made of animal membrane)

are the only Capsules
not made of gelatine
on P.A.T.A. List

*Their envelope of organic membrane
insures absorption by the intestinal tract
instead of by the stomach, thus absolutely
avoiding the usual nausea and "repeating."*

MINIMUM SELLING PRICE, Sandal, 4/3 per box.
WHOLESALE PRICE, 41/- per dozen NET.

Evans Sons Lescher & Webb Ltd.
London and Liverpool.



ASBESTOS FILTERS and Filtering Mediums.

ESTABLISHED 1798.

**FARROW &
JACKSON, Ltd.**

16 Great Tower Street, LONDON, E.C. 3.

Headquarters for British Manufactures of

**Acid Acetylsalicylic
Silver Proteinate
Silver Nucleinate
Lanoline Sanatogen**

JOHN LORIMER

119 Finsbury Pavement, London, E.C.

CLINICAL THERMOMETERS.

Best Quality at Lowest Prices

WRITE FOR PRICE LIST.

40 DIFFERENT KINDS.

Special Quotations to Wholesale Buyers

THE
"MATER"

LENS FRONT (Regd.)

CLINICAL THERMOMETER.

P.A.T.A.

MERCURY COLUMN SEEN AT A GLANCE.

Made in Two Rapidities, 1 Minute and $\frac{1}{2}$ Minute.

New Price List of Thermometers for
every purpose, post free.

PERKEN, SON & CO. LTD.

ESTABLISHED 1852.

Contractors to H.M. Government.

99 Hatton Garden, LONDON.



Sanaphos

T. M., Reg.

For all Disorders of Nutrition and Nerves

NUTRITION needed for nerves in neurasthenia and nervous debility in these nerve-wearing and distracting times is amply supplied by SANAPHOS, which is not a one-constituent food, but is replete in tissue-repairing and energy-giving constituents.

These are supported by the phospho-nucleins and other organic phosphorus compounds, enzymes and vitamin which ensure assimilation and repair, restoring to the organism tone, nerve fitness and vigour.

SANAPHOS has an attractive milk-like flavour and is soluble. Patients take it readily, and it has given most valuable results in all debilitated conditions, restlessness, insomnia, and helps in a very striking way in bringing those weakened by illness back to strength.

**Sanaphos is and always has been
wholly British.**

SANAPHOS is procurable at fixed prices from all Chemists and Stores throughout the world.

For all information address :

BRITISH MILK PRODUCTS CO., LTD.

99 MARK LANE, LONDON, E.C. 3.

F. M. RUDD,
Bronson,
MICHIGAN,
U.S.A.

GENUINE AMERICAN PEPPERMINT OIL

*"Columbia" Natural
"Diamond White"
Re-distilled.*

Finest qualities for Druggists,
Distillers and Confectioners.

Sole Consignees in United Kingdom—

R. W. GREEFF & CO.

Thames House,

Queen St. Place, LONDON, E. C.



EVIL SPIRITS
are kept out of, and the
GOOD SPIRITS
are kept in, any bottle of
essence capped with a

SEMREH

BOTTLE CAP
AIR - TIGHT and
SPIRIT - PROOF.
SELF-FIXING, too.

DETAILS FROM
THE VISCOSE
Development Co., Ltd.,
BROMLEY, KENT.

DODGE & OLCOTT CO.,

20 MARK LANE,
LONDON, E.C.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT,
SASSAFRAS, ETC.

BALSAMS of Copaiba, Peru, Tolu.
TONKA BEANS, Angosturas.

'Phone:
CITY 2468.

Telegrams:
"EGDARF, FEN, LONDON."

BEETHAM'S "LAROLA"

(Registered)

Is the Skin Tonic for 1917.

It is effective.

It is attractive.

It is price-protected.

It is well-advertised.

It sells readily.

It bears a good profit.

HAVE YOU OUR SHOWCARD ?

THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, CHELTENHAM.

DECOLTENE
The liquid hair remover



Dinkie
The
Dainty Decolorant

The intelligent depilatory.
Simple, safe and effective.
Pleasant and harmless. In-
valuable during the décoloré
vogue. Daintily packed.

An attractive line that
enjoys good sales. A grease-
less Cream, that takes the
odour out of perspiration.
Daintily packed in opal jars.

Ask your wholesaler.

Both articles largely advertised.
SATISFACTION GUARANTEED OR MONEY BACK.

TRADE TERMS.

DECOLTENE. Advertised
and min. Retail price **3/9**

Trade **30/-** per doz.

DINKIE. Advertised and
min. Retail price **2/6**

Trade **20/-** per doz.

5% cash with order.
Carriage paid on 11 lots.
Particulars on request.

ROBARTES, LTD.,
128 JERMYN STREET,
LONDON, S. W. 1

Telephone - - Gerrard 3672.

"Railox" Nit and Vermin Destroyer.

Clean and invisible in use; no grease.
Price 2d. & 6d. per packet.

Extracts from some of the many letters we have received:
CORNWALL.—"Railox" is the best I have used."
SHIPSEA, HULL.—"Delighted with the result."

SHOWS A GOOD PROFIT.

"Railox" Soldier's Wallet (speciality).

The Best, Cleanest & Handiest
LICE KILLER.

Price 6d. each.

PRICE LIST. 6d. lines 4/- doz.

| | | Discount. | | 13 to doz. for cash with order. All goods carr. paid. |
|--------|-------|-----------|------|--|
| 2d. | lines | £1 | £7 | |
| 3 doz. | 4/- | ... | 21 % | |
| 6 " | 7/- | £3-5 | ... | 5 % |
| 12 " | 13/- | £7 | ... | 7 1/2 % |

MILNER'S CHEMICAL CO., LIVERPOOL.

*A Vanishing Snow of
Distinctive Quality.*

SNOWLEEN

ADVERTISED IN
"THE LADY,"
"COMING FASHIONS,"
etc. etc.



CONTAINS 50%
OF
WITCH HAZEL
EXTRACT.

1/- pots, 7/9 dozen; 6d. tubes, 3/9. Bonus Terms
(showing 100% Profit) on application.

ALSO SUPPLIED IN BULK AS FOLLOWS:
Per lb, 1/8; 7 lb. at 1/6; 14 lb. at 1/4; 28 lb. at 1/3.

PACKAGES FREE.

Sell a genuine Vanishing Cream which is really beneficial
and healing to the skin, and containing the full percentage of
Witch Hazel Extract.

Sample and particulars from Sole Makers —

WHITE BAND MANUFACTURING CO., LTD., SOUTH CROYDON

SAM^L LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

CRUDE DRUGS & ESSENTIAL OILS.

A few Specialities :—

ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

Sole Agents for :

Oils : Lemon, Bergamot, Orange ; Terpeneless Oils : Lemon, Bergamot, Orange.—*Fratelli de Pasquale & Co., Messina.*

Bay Rum and Bay Oil.—*Bornn, St. Thomas.*

Essential Oils, Drugs, Chemicals, &c.—*National Aniline & Chemical Co., New York.*

WE HAVE SPLENDID
SAMPLES OF

**Corn Silk
Envelopes
—AND—
Lemonade
Powder
Envelopes**

SAMPLES AND PRICES WILL BE SENT
ON RECEIPT OF 2d. IN STAMPS.

Samples to the Colonies, full set 10/6,
which amount we credit on order of £5
and upwards.

Thomas Waide & Sons

MEDICAL PRINTERS,
KIRKSTALL ROAD, LEEDS.

PASCALL'S GOLDEN MALTEX

**Contains
25%
Pure
Malt
Extract**



**of
especial
food value
for
Children.**

† Pascall's Golden Maltex is admirably suited for sale by Chemists, owing to its nutritive and restorative qualities.

† Order through your Wholesale Druggist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.

BRITISH NOW



C.V. & S.-3.

Send for
Price List and
Trading Terms.

ODOL
Chemical Works,
BERKHAMSTED.

3 Cheap Lines !!!

SOOTHERS.

Transparent Teat or Wood Stem.

(Sells at 2d.) **13/6 gross**

TOOTH BRUSHES.

3-row Bone Handle. (Japanese.)

Suitable also for applying Hair dye,
Hat dye ; or Straw Hat cleaner. **12/- gross**

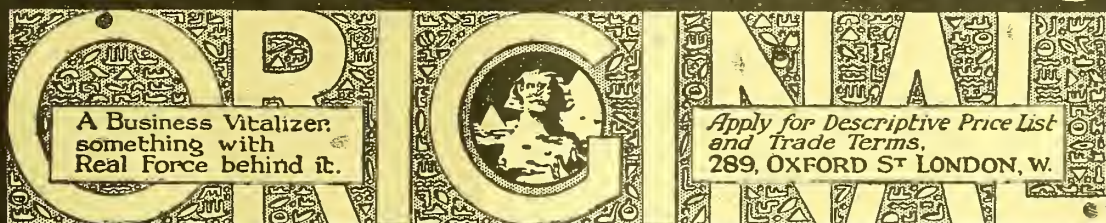
VALVES. Transparent.

12/- gross

Minimum quantities of any line : **One gross.**
Carriage paid in U.K. only. Cash with order.

THOMAS SWALES, Sundriesman
24 Butts Court, and 89 Albion Street
LEEDS.

DR EVAN WILLIAMS'



A Business Vitalizer
something with
Real Force behind it.

Apply for Descriptive Price List
and Trade Terms.
289, OXFORD ST LONDON, W.

HENNA SHAMPOO

PETROLEUM JELLY

Finest qualities, Red, Yellow, and White. Guaranteed B.P.

GUMS. WAXES. DEXTRINE.
CRUDE DRUGS.

W. M. KIDSTON & CO., 43/45 Great Tower St., London, E.C.

Telegrams : "KIDSTONISM, BILGATE, LONDON."

Telephone : AVENUE 8057.

THE "EMPIRE" HENNA SHAMPOOS



The box of 7.

Prices : Loose, 13/- per gross packets.
Box of 7, 8/- per doz.

Special Quotation to the Wholesale and Export trade.

THE EMPIRE PERFUMERY CO.,
CUXSON, GERRARD & CO., Ltd., Proprietors,
Oldbury, England.

are made with a Potash Soap base, therefore the hair is left very soft and wavy. The perfume is so delightful that repeat business is assured.



The Sales-Compelling Showcard.

W. DAVIS

100 WOOD ST., E.C. 2
Phone: CITY 8220

For OPEN
WINDOW
DISPLAYS.

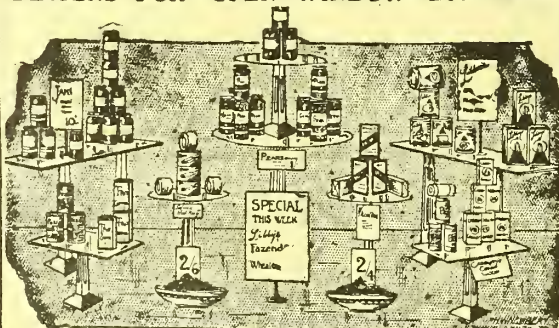


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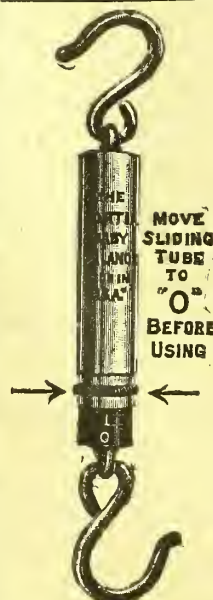


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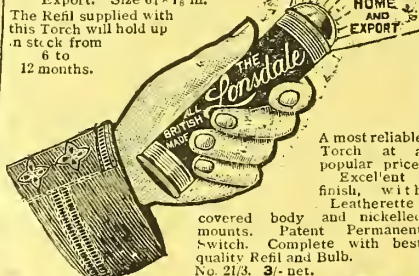
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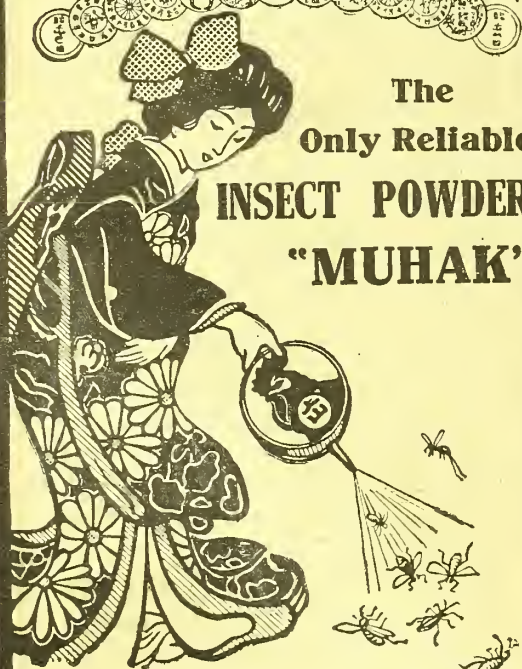
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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, August 15.

Society of Chemical Industry, Broadway Chambers, Westminster, London, S.W., at 4 p.m. Meeting for the purpose of confirming resolution to raise the annual subscription from 25s. to 30s.

Sheffield Pharmaceutical Committee. A meeting of panel chemists will be held in the Literary and Philosophical Society's Rooms at 8.30 p.m. to consider the report of the Local Associations Executive Committee on the remuneration for Insurance dispensing.

Thursday, August 16.

West Ham Association of Pharmacists. Annual outing to Hampton Court. Train leaves Bow Road, Metropolitan District Railway, at 2 p.m. for Richmond, whence steamer will be taken to Hampton Court. Members of other associations are invited.

The Association of Chambers of Commerce of the United Kingdom will consider at its next meeting a motion "that no subject of Germany, Austria, Bulgaria, or Turkey should be at liberty to hold land in this country to a greater extent than a seven years' lease without the consent of the Crown."

European War News.

Import and Export Notices.

GERMANY.—According to a decree of the Imperial Chancellor, dated June 30, the exportation of trusses, surgical and optical instruments, such as polarimeters, balances, etc., is prohibited.

JAPAN.—The exportation of the following articles from Japan is permitted as from July 1, provided that the special authority of the Department of Agriculture and Commerce is obtained: (a) In the case of the following articles applicants must furnish particulars as to the names, quantities, and destinations of the consignments which they desire to export; Saltpetre, nitrate of soda, cyanide of potash, cyanide of soda, cyanide salts containing cyanide of potash or of soda. (b) In the case of the following articles the applicants must furnish, in addition to the particulars specified under (a) above, the name and address, as well as the trade name, of the consignee: Tin ore and chloride of tin; nickel ore, nickel, and ferro-nickel; manganese ore, spiegeleisen, and ferro-manganese; cobalt ore, cobalt, and ferro-cobalt; molybdenum and ferro-molybdenum; tungsten and ferro-tungsten; antimony; graphite; mica and manufactures of mica.

RUSSIA.—In further reference to the notice published in this column last week on the subject of the prohibition of the importation of certain classes of goods into Russia, the Board of Trade are in receipt of information from H.M. Ambassador at Petrograd that a decree of the Provisional Government was promulgated on July 28 which, as a temporary measure, prohibits the importation of all goods into Russia, by land or sea, except under licence issued by the "Foreign Supplies Department" or by the Minister of Commerce. The decree was to come into force from the day on which the Russian Customs authorities received telegraphic notification of its promulgation; it is not, however, to apply to consignments of goods which are shown by the bills of lading, way-bills, or postal declarations to have been despatched to Russia within three weeks from the date of promulgation of the decree. The Minister of Commerce is to draw up and publish a list of goods which are not to be subject to the general prohibition imposed by the present decree. Consignments of goods which arrive in Russia, and for which the necessary licence has not been obtained, will be liable to confiscation.

Personalia.

LEUTENANT R. H. BRITAIN, M.G.C., has been promoted captain. He is a partner in Prichard & Constance, perfumers, 469 Holloway Road, London, N.

HARRY BONE, youngest son of Mr. Alfred Bone, of Wells, Norfolk, who in October 1916 joined the Chemists' Section of the Royal Engineers and went to France the following month, has been awarded the D.C.M.

A TABLET has been unveiled in St. Luke's Church, Cobholm, Yarmouth, to the memory of Private W. J. Castell, 7th Norfolk, who died in Newcastle from wounds received at the battle of Arras. He had been assistant with R. S. Watling & Son until he enlisted in July 1916.

STRETCHER-BEARER FRANK WADDINGTON, only son of Mr. Thomas Waddington, drug-store proprietor, Morecambe, has been wounded while serving with the King's Own Royal Lancaster Regiment in France. He was an apprentice to Mr. Alexander Bate, chemist, Market Street, Lancaster.

WE HAD A CALL this week from Lieutenant-Colonel R. A. Gillespie, of the Canadian Expeditionary Force. Lieut.-Colonel Gillespie, who has been in England and on the Western Front for about a year, is a Winnipeg chemist, and was in the local Forces when war broke out.

PRIVATE G. T. WOODCOCK, of the Northamptonshire Regiment, son of Mr. T. J. Woodcock, chemist and druggist, Church Plain, Yarmouth, is officially reported missing after a recent advance. He joined the 6th Norfolk, and had been attached to the Northamptonshire Regiment. Prior to the war he assisted his father in his business. For a considerable period he served on the Yorkshire coast as motor-cyclist despatch-ride.

WE ARE GLAD to be able to report a further improvement in the condition of Second-Lieutenant Roland A. Marshall, R.F.A., only son of Mr. John D. Marshall, managing director of John Bell & Croyden, Ltd., Wigmore Street, London, W. It will be remembered that he received severe injuries in action last December which deprived him of sight, hearing, and speech. He recovered his sight and hearing quickly, but it was only last week, after months of patient treatment, that his power of speech returned.

Miscellaneous.

BLAST-FURNACE DUST.—Under an Order issued by the Minister of Munitions no person may buy, sell, deal in, or dispose of any blast-furnace dust except under and in accordance with the terms of a licence issued on behalf of the Minister of Munitions by the Controller of Potash Reduction, 117 Piccadilly, London, W. 1.

ENTERTAINING SOLDIERS.—The South-West London Pharmacists' Association on August 1 entertained over a hundred wounded soldiers at "The Firs," Clapham Park, where games, refreshments, and a two-hours' concert helped them to forget the inclement weather. The members of the Association collected 34*l.* in a fortnight for this event—an example worth imitating by other Associations.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—A meeting of the Committee was held at the offices of the "Lancet" on August 2, when a letter from M. Emile Vandervelde was read asking that the fund should be kept before the public. The Treasurer said that the receipts since the last meeting had been small, but that no appeals had been made for some time. The expenditure on relief in England was also small now, but 800*l.* a month had been sent to Belgium during May, June, and July. The Committee decided to continue to send this mensuality, being assured of its safe receipt by those for whom it is intended. Dr. Des Vœux said that the bank interest received since the fund started was 566*l.* 10*s.* 5*d.*, and the interest on Treasury Bills 499*l.* 7*s.* 4*d.*, making a total of 1,065*l.* 17*s.* 9*d.* interest accrued to the fund.

MESOPOTAMIA EXPERIENCE.—A letter has been received by Mr. William Beveridge, chemist and druggist, Newmarket Street, Ayr, from Private P. L. Austin, formerly in his employ, and now serving with the Forces in Mesopotamia. Among other gossip he writes: "It is surprising the way in which our men here endure the heat. It is really amusing to see the pipe-smokers, who are *minus* matches, lighting their pipes with a magnifying-glass in less time than it would take them with an ordinary match on a breezy day. . . . While walking through the bazaar [at Bagdad] I came across a druggist's shop, not with a European name by any means; and out of pure curiosity I stepped inside, and was much surprised to see all labels, etc., in English, and not in the Turkish language, as I had expected. The proprietor—an Armenian—had been educated in Edinburgh."

Military Tribunals' Decisions.

BLACKPOOL.—A. E. Swaine, chemist's assistant, was given conditional exemption on enrolling for national service.

CUMBERLAND.—Leave for the further exemption of A. E. Harvey, apprentice to Mr. A. Nichol, Ph.C., of Carlisle, was refused, the Tribunal deciding to call up Harvey on October 1.

DOVER.—Reference was made during the Tribunal's proceedings to the application of a Belgian pharmacist for a post at the Royal Victoria Hospital as a substitute for an English dispenser. It was stated that the former disposed of his business in Antwerp two years before the war, and is not accustomed to English weights and measures. At present he is dispensing in the West-end of London.

GUILDFORD.—Three months' exemption has been granted to Mr. B. F. Farris, wholesale chemists' sundriesman, of Wodland Road.

LITTLEBOROUGH.—Mr. J. T. Sladen, clerk to S. Hall & Son, chemists, Church Street, obtained leave to go to the special Medical Board at Leeds in connection with his appeal against his classification.

SOUTHWARK.—Mr. W. S. Brown, assistant with Boots, Ltd., at 36 Denmark Hill, London, S.E., applied for exemption on the ground that he was not medically fit for general service, for which he was classified twelve months ago. The case was adjourned for fourteen days for another medical examination.

STROUD.—The military authority successfully applied for the withdrawal of the exemption granted to Mr. P. N. Fluck, an assistant with Mr. J. W. E. Coley, Ph.C., of High Street, contending that he was unqualified. The case of Mr. G. R. Lawrence, chemist and druggist, was put back to November 20.

SURREY.—Mr. F. Strawson, chemist and druggist, Dorking, appealed for Mr. E. Cartmell, chemist and druggist. Final exemption to August 31 was given.

TANFIELD.—The local Tribunal, on the application of the Military Representative, substituted "conditional" for "absolute" in the certificate of Mr. Sydney R. Blackburn, chemist and druggist, Leazes, Burnopfield.

The Army Dispenser.

By a Captain, R.A.M.C.

HEAVEN pardon me! but since I joined the Army I have always been more anxious to find a good cook at a hospital than a good pharmacist—for dispensers are many and cooks are few. But the finest Army cook I ever met had one abiding sorrow—he was not a pharmacist. 'Twas on the bonny blue banks of the Mediterranean, and he was a fine, straight, soldierly man, with a dozen years' service to his credit and acting staff-sergeant's rank to his sleeve. He was a splendid disciplinarian, too, who exacted prompt obedience from everyone, and whose wife alone defied him. The summit of his ambition was to be a sergeant-major, or at best a full-blooded pensionable staff-sergeant, but he had no dispenser's certificate, and the inexorable rules of the R.A.M.C. ordain that no man can attain to the giddy height of a quartermaster or sergeant-major, or even staff-sergeant, unless he have a certificate as dispenser. So many certificates are accepted for the post of Army dispenser—Major, Minor, Licence, certificates of the Apothecaries' Halls—that the ordinary pharmacist regards the qualification with contemptuous eyes, but any of these certificates, even the least of them, may mean the making or the marring of a man who finds himself in the ranks of the R.A.M.C.; and, by the way, I have been surprised at the few chemists I have met in those ranks during the last couple of years. I had at the same hospital another N.C.O. who had, although not so good a man, attained to the rank of sergeant-major, but in peace-time he had to be transferred two thousand miles to a hospital where they were permitted to give certificates for dispensing before he got it. In the earlier days of the war one was accustomed to find in the C. & D. discussions on the propriety of giving commissions to pharmacists. From an inside view one does not think it likely, but a commission is quite within the reach of a sergeant of the R.A.M.C., if he becomes quartermaster, and although dispensing may be a small part of his duties he will never be quartermaster unless he have a certificate in dispensing. This, I think, is not so well known as it ought to be. In peace-time this dispensing certificate comes in as part of his ordinary training, but now there is no time to train men; the ordinary courses of lectures are mostly suspended; and, therefore, unless a man start with his certificate of dispensing he has practically no chance of a commission. At the same time it has to be remembered that a commission may be of little, if any, financial benefit. A man with a wife and family is far better off with a sergeant-major's pay and emoluments, for once he is classed as an officer his wife and children get no allowance.

Although a private in the R.A.M.C. has to do much unpleasant work—scrubbing the floors, cleaning utensils, sweeping wards—often a mere slave to the sister of the ward and at the mercy of the matron rather than the medical officer, yet the dispenser (even if only a corporal) has a position with so much authority as to exact considerable respect. This is because he controls, not only the drugs, but most of the surgical instruments and appliances. If, therefore, you want an instrument or appliance you must get it from him on loan, and if he is inclined to be unpleasant he can disinter Army Orders which seem to forbid you ordering any drug but a purgative pill, or any instrument except your own. The dispenser probably spends more of his time with the commanding officer than anybody in the place, and as the latter is held financially responsible for any drugs or instruments not accounted for, the compounder of drugs has abundant opportunities to lodge complaints against prescribers.

The accuracy of checking the supply of drugs and instruments is a marvel. Probably it would pay no retail pharmacist, for it takes two or three Army men to do as much work as one civil dispenser, but then they do it rather well. Your Army dispenser would not think of dusting the bottles, cleaning up, or any spade-work. He has two or three orderlies to do that part of the work, to say nothing of one or two assistant dispensers. Still, he must be most familiar with the mysteries of indenting for all surgical instruments, and know the intricacies of every Army form. If a needle for a hypodermic syringe were in the place three years ago, an ounce of hospital alum, or a single four-inch bandage, all these must be faithfully produced on demand. Then, though there may be a fair rush of morning's work, the evenings are generally quiet, and he is fairly free of his own domain. Only occasionally has he a parade, or a kit inspection, and everybody—medical officers, matron, sister, nurses—is inclined to be on very friendly terms, knowing that he can always do any one of them a service.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Progressive Pharmacy Club.

A meeting of the guarantors was held on August 1, when the following were elected to serve on the Executive Committee for the ensuing twelve months, with power to add to their number: Messrs. C. Breese, G. W. Evans, J. Hearle, F. G. Hines, A. R. Keith, J. Kirkpatrick, J. Milner, H. Skinner, E. F. Strickland, A. T. Styles, J. A. Thompson and H. Wolff. Mr. Herbert Skinner was unanimously elected Chairman and first President of the Club, and Mr. John Humphrey was appointed Hon. Secretary and Treasurer. The date of the first general meeting of the members was altered to October 4. It was reported that the Club premises are now open for the use of the members, and that it is hoped to complete the rearranging and special furnishing of the club-room during the present month.

Anglo-Belgian Trade.

The British Government have appointed a Committee to investigate the means of promotion and advancement of trade and commerce between the British Empire and Belgium. The members of the Committee will represent the Foreign Office, the Board of Trade, and British commercial and financial interests. The Committee will examine into the supplies and requirements of the respective countries (in so far as they have relation to its scope), and give advice as to how trade between them can best be established, developed, and increased. It will obtain information and evidence from all available sources, and endeavour to render all possible assistance in regard to shipping, manufactures, imports and exports, and trade generally between the Empire and Kingdom. The Committee will be known by the short title of "The Belgian Trade Committee." An office of the Committee (under the Foreign Office) has been established at 39 Parliament Street, London, S.W. 1.

British Medical Association.

At the annual representative meeting of the British Medical Association which took place in London last month, the chief subjects of discussion were the remuneration of medical men accepting appointments under public schemes for treating venereal diseases and the proposed Ministry of Health. The Council's recommendations in regard to the latter were as follows: "That a Ministry of Health should be created to take over from existing Government Departments such duties as are concerned with the health of the community, and to deal with those duties only; that the administrative functions of the Ministry should be carried out by a Board presided over by a Minister of Cabinet rank; that the country be divided into suitable administrative areas under local administrative health centres consisting of representatives of (a) rating authorities; (b) the education authorities; (c) the persons contributing to a scheme of health insurance (including employers of labour); (d) the medical profession; (e) public hospitals; (f) dentists; (g) pharmacists; and (h) nurses; that the principal medical officers of each centre should be two, of equal status, one representing the clinical side (chief clinical officer) and the other the preventive side of medicine (medical officer of health); that for each area, hospitals, clinics, or treatment centres should be recognised or established at which persons entitled to treatment under the public scheme should be able to obtain institutional, consultative, or specialist services on the recommendation of their medical attendant." The meeting, with one dissentient, approved the creation of a Ministry of Health.

Association of British Chemical Manufacturers.

A deputation from the Association of British Chemical Manufacturers waited on Dr. Addison, the Minister of Reconstruction, at the Ministry of Munitions, on August 2, to discuss the question of chemical-industries after the war. Dr. Addison urged that the production of chemical-plants will need increasing, and that at the same time processes must be improved. The Government has received a great deal of information as to the steps which our enemies are taking to deal with industrial matters in the after-war period, and, unless this country is to find itself defeated in some directions of commerce, whatever may happen after the war, we must take time by the forelock. There are at the present time at least five different Government Departments which are concerned in one way or another with what will happen to the chemical-industries at the finish of the war. The policy of the Ministry of Reconstruction

is not to interfere, but to help so far as possible. If we do not succeed in placing some British industries on a much firmer and more scientific foundation than they were before, it will be very discreditable to us as a nation. After a general discussion, it was agreed that Dr. Carpenter (Chairman of the South Metropolitan Gas Co. and Chairman of the Association), Sir William Pearce, M.P. (Treasurer of the Association), Mr. J. F. L. Brunner, M.P., and Mr. J. W. Wilson, M.P., should consult with Dr. Addison as to the steps that should be taken towards the formation of an Advisory Committee with whom the Ministry could consult.

Anthrax from Shaving-brushes.

The report has been issued by the Local Government Board of an inquiry into the causes of several cases of anthrax which occurred in 1915-16, and which were suspected to be due to the use of infected shaving-brushes. Sir A. Newsholme, Medical Officer to the Local Government Board, in a covering memorandum, states that suspicion was first drawn to shaving-brushes as a cause of anthrax by an investigation by Dr. R. R. Elworthy, pathologist to the West London Hospital, into a case of anthrax occurring in July 1915. Dr. Elworthy showed that the infection was due to the use by the patient of a recently purchased cheap shaving-brush of imitation badger-hair, in which virulent anthrax spores were present. Other infected brushes were traced, and were all found to have come from one wholesale dealer and to have been manufactured at one factory. Inquiries made by Dr. Coutts, in association with Dr. Collis, of the Factory Department of the Home Office, showed that the hair used in making these brushes consisted in great part of Chinese horsehair which had not been disinfected. The remaining unmanufactured hair from the same source was found to be largely infected. The manufacturer explained that the hair was invoiced to him as "goat's hair," which does not come under the Home Office regulations, and that for this reason he had not subjected it to disinfection. Four other cases of anthrax were traced to brushes made in New York, and a consignment of shaving-brushes from Japan was found to be heavily infected with anthrax. The Local Government Board have under consideration, says Sir Arthur, what administrative action is required to secure that hair used in the manufacture of shaving-brushes in this country is satisfactorily sterilised before the brushes are manufactured. It is stated that, although these brushes (of the cheapest kind) were chiefly obtained from Germany before the war, there are stringent regulations for the disinfection of all hair coming from foreign countries.

Contracts.

Guildford Education Committee has accepted the tender of Long & Co. for drugs for the clinic.

West Bromwich Guardians.—Burgoyne, Burbidges & Co., Ltd., drugs.

Windsor Guardians.—The "Sanitas" Co., Ltd., soap.

Wirral Guardians.—R. Sumner & Co., drugs, etc.

Birmingham.

The arrival of two or three hundred Chinese labourers in Birmingham presents a new problem for its pharmacists. The Celestials are not easy to understand; but they usually bring with them a friend who knows a little English.

The result of a comparative analysis of white and war bread is given by the Birmingham city analyst, Mr. J. F. Liverseege, F.I.C., Ph.C., in his report for the second quarter of the year. The average composition is:

| | | White Bread | War-Bread |
|------------------|-----|-------------|-----------|
| Moisture ... | ... | 41.9 | 41.4 |
| Fat ... | ... | 0.2 | 0.4 |
| Albuminoids ... | ... | 7.5 | 7.1 |
| Ash ... | ... | 1.0 | 0.9 |
| Carbohydrates... | ... | 49.4 | 50.2 |
| | | 100 | 100 |

The Bank Holiday traffic to seaside and other health resorts was very heavy, many works having closed down for a week. In spite of the bad weather large sales of bathers' and general toilet requisites took place; pharmacists who reopened on Tuesday had no cause to complain of Saint Lubbock.

Liverpool.

Owing to the spell of heat to which the Liverpool district has been subject this month diarrhoea has spread, and the demand for remedies is considerable. Windows devoted to the popular requirements are noticeable.

Bank Holiday closing in Liverpool was generally adopted by the wholesale trade. The suburban retailers adopted either entire closing or Sunday evening hours. In the central area some pharmacies were open all day, and others from 11 to 1 and 6 to 8.

Mr. William P. Evans (President of the Liverpool Chemists' Association) is taking steps towards the compilation of a programme for the coming session. The Hon. Secretary (Mr. D. H. Evans, Lodge Lane), who recently sustained injury to his right hand in a tramcar accident, is happily recovering.

The Commercial Free Reference Library opened by Lord Parmoor in the Exchange Buildings has already justified its existence, and is receiving contributions from the Chamber of Commerce, the Consular Corps, underwriters, merchants, and manufacturers. By an elaborate system of indexing the source of all chemical and other products will be readily ascertainable. Official trade and technical publications are being collected.

The Mayor of Bootle's appeal to shopkeepers to give their assistants a holiday on both Monday and Tuesday this week met with such a measure of success as to promise that the annual holiday at this period of the year will become permanent. Pharmacists of the borough took advantage of the movement to reduce their own hours to the Sunday scale on Monday. Certain of them were to be found picnicking in the Ince Woods.

The sudden death of Mr. John James Evans, J.P. (ex-chairman of Evans Sons Lescher & Webb, Ltd.), one of the senior members of the Mersey Docks and Harbour Board, and of the Cheshire County Council (of which latter he was an Alderman and Chairman of the Finance Committee), evoked an expression of widespread regret and sympathy visible in the representative attendance at the funeral. The interment took place on August 4 at Bebington, after a service at the Rock Ferry Presbyterian Church.

Sheffield.

The Pharmaceutical Society is holding an informal meeting at the Grand Hotel on August 29 after the evening meeting of delegates from the N.E. Midlands Pricing Area, when it is hoped as many chemists as possible will attend.

In place of the proposed Roll of Honour, comprising the names of all pharmacists and their assistants, it has been decided to enrol all the names in the minute-book of the local Society, this being thought a more permanent record. The Secretary has issued forms for information.

Mr. J. H. Meadowcroft, Ph.C., of Abbey Lane, Woodseats, has a striking window-display. His general window has a margin lining of "Phosph. Limes" showbills backed by a display of the goods, together with a Glaxo and Ovaltine exhibition, and his optical window is daintily lined with white satin.

The pressure put upon the medical men by the Panel Committee to keep down the drug account at any cost is bringing about a very unsatisfactory mode of prescribing—the ordering of drugs in bulk with directions how to take. As it has been decided by the Commissioners that verbal directions are not allowed, it would be well, if any case of the kind comes to the notice of chemists, to forward particulars to the Secretary of the Pharmaceutical Committee.

A strong feeling exists among the younger members of the craft that Sheffielders are at a disadvantage in the matter of practical tuition in being without a School of Pharmacy. It is being asked in the Press why Sheffield is so far behind the times. The local classes, being closed for the summer months, do not, it is felt, meet the requirements of students in earnest. The local Secretary, Mr. E. Preston, Ph.C., has pointed out the advantage of the Education Committee's evening classes.

Miscellaneous.

COCAINE REGISTERS are being regularly inspected in the City of London.

WINDOW-SMASH.—The plate-glass window of Mr. F. Fearnley, chemist, Otley, was smashed last week by a horse attached to a cart backing into it. Damage to the amount of 12*l.* is estimated.

HOSPITAL GRANTS.—The Council of the Metropolitan Hospital Sunday Fund, which met at the Mansion House, London, on August 8, sanctioned grants amounting to 70,061*l.*, as recommended by the Committee of Distribution, to 241 institutions.

FIRES.—A fire occurred on July 24 at a store used for keeping chemicals and other goods at the rear of the shop of Mr. W. Martin, Ph.C., 112 High Street, Southampton. Considerable damage was done.—A second outbreak of fire occurred early on July 25 at the premises of Mr. B. M. Stoakes, Ph.C., Whitefriargate, Hull, and some photographic apparatus was destroyed (*C. & D.*, August 4, p. 35).

SHOP-ASSISTANTS' UNION.—According to the "Shop Assistant," the official organ of the National Amalgamated Union of Shop-assistants, a Central Pharmacists' Branch

has been formed in connection with the Union, to which it is suggested that pharmacists already belonging to the parent organisation should transfer. The Secretary is Mr. Greenfield, 115 Putney Bridge Road, London, S.W. 15.

VENEREAL DISEASES.—On the submission of the Health Committee's minutes at the meeting of the Bradford City Council last week, Mr. C. A. Glyde, a prominent Socialist, complained of the new Order made under the Venereal Disease Act respecting the treatment of venereal diseases, and suggested that it interferes with the rights of a large number of people, and is made entirely in the interests of the medical fraternity. Other Labour leaders dissociated themselves from Mr. Glyde's views on this matter. In replying Mr. E. J. Smith, the Chairman of the Health Committee, said it is a matter of the medical profession *versus* quacks.

RAMSAY MEMORIAL FUND.—The following additional subscriptions have been received: The Gas Light and Coke Co., 250*l.*; Dr. E. K. Muspratt, 200*l.*; Colonel E. Hill, C.M.G., F.R.S., and the South Metropolitan Gas Co., 105*l.* each; Balfour, Williamson & Co., Mr. W. J. Leonard, Lever Bros., and Mr. Francis Ransom, 100*l.* each; Curtis & Harvey and Robinson Bros., Ltd., 52*l.* 10*s.* each; Professor and Mrs. Trouton, 50*l.*; Dr. J. L. Thom, 26*l.* 5*s.*; Mr. C. F. Chance, 25*l.*; Sir J. Wolfe-Barry, 20*l.*; Mr. John Aitken, Arthur & Hinshaw, Baird & Tatlock, Burrell & Co., Ltd., Mr. H. B. Fyfe, Burroughs Wellcome & Co., Mr. F. G. Adair Roberts, Mr. Carl Langer, Ph.D., Mr. E. A. Lett, and Mr. E. Del Mar, 10*l.* 10*s.* each; and Mr. Henry Worrall, 10*l.* The total sum given or promised to the fund now amounts to 19,098*l.* 7*s.* 6*d.*

CONSULAR SERVICE.—The Federation of British Industries has called attention to the inaction of the Government in regard to the question of the reform of the Consular Service. The principles which the Federation wish kept in view are: (a) That all activities undertaken by the Government for the promotion of British trade in foreign countries must be concentrated under the control of a single responsible Department. (b) That foreign commercial policy can only be successfully conducted as an integral and most important part of foreign policy, and that consequently the controlling Department can only be the Department in general charge of foreign affairs. (c) That for this purpose a well-organised Commercial Branch must be added to the existing Foreign Office, working in the closest possible co-operation with the Political Branch. (d) That men serving in this Branch and serving in the various posts abroad must receive position and pay of a sufficiently high level to ensure the best possible talent being attracted to the Service in sufficient quantity.

"BREAD-IMPROVER."—The Cheshire analyst, Mr. S. E. Mellings, has called attention to the use of Epsom salts in bread ostensibly for the purpose of improving its quality and appearance. He states that Epsom salts is being sold in penny packets, weighing about an ounce or a little over, under some such name as "bread-powder," and claims to make war-flour just as nice in colour and lightness as the pre-war flour. Following the directions given, it is clear that a person availing himself of the present allowance of flour would ingest about 15 gr. per diem, or half the minimum repeated medicinal dose (B.P. 1914). Mr. Mellings adds: "Is it any wonder, then, that there are complaints of indigestion, abdominal pains, and so forth? Experimental bakings have shown the advantage—so far as appearance is concerned—to be negligible, and it ought not to be necessary to wait until a drug such as this has entered into the composition of the one staple article of diet (prejudiced as it may already be under the stress of circumstances) before taking such action as will prevent its sale for the above purpose."

MILITARY RECRUITING CHARGE.—At Bow Street Police Court, London, on August 8, Sir James Mackenzie, M.D., F.R.C.P., and Dr. J. C. Briscoe, King's College Hospital, gave evidence at the resumed hearing of the case in which Drs. A. M. R. Sinclair, Parson's Green, and G. H. Bishop, Whitechapel, together with five other defendants, are charged with conspiring to defeat the provisions of the Military Service Act. Sir James Mackenzie, cross-examined by Mr. Hawke, K.C. (for Dr. Bishop), on his evidence to the effect that the symptoms of a witness named Bennett were consistent with his having taken large doses of dry thyroid extract, stated that Bennett's condition might honestly be considered by examiners to have been induced by alcoholism. Thyroid might legitimately be used to assist the digestion of a patient who required dieting. Dr. J. C. Briscoe expressed the view that the symptoms described by Bennett as due to pills from Dr. Bishop were such as he would expect to result from taking 30 gr. of thyroid on alternate days. Cross-examined, he stated that he himself had never prescribed more than 15 gr. a day.

Irish News.

Brevities.

Mr. W. J. C. Horne, F.C.S., has opened an analytical laboratory at Cecil Chambers, Limerick.

The stock-in-trade of the late Mr. John Joze, Ph.C., College Green Pharmacy, Dublin, is announced to be sold by public auction on August 14.

Mr. P. N. White has reported to the Sligo Guardians that the drugs ordered for the local dispensary on July 7 had not yet been supplied by the drug contractor.

Mr. Michael O'Donnell, Ph.C., dispenser to the South Dublin Union, has passed with distinction the Final Professional examination of the Apothecaries' Hall in Ireland.

Creditors of the late Mr. Thomas Batt, Ph.C., Dublin, are invited to send in their claims not later than September 8 to Stewart & Orr, solicitors, Brunswick Street, Dublin.

Irish Chemists' Assistants' Association.

The Dublin Centre met on August 1, Mr. J. Hogan, Ph.C. (President), in the chair. Reports of Committees were received, all being of a highly encouraging nature. The improvement in the financial position of assistants evoked expressions of satisfaction. Many of the Dublin pharmacists were stated to be now voluntarily paying additions averaging 12% per annum. An Educational Committee was named in connection with the suggested reopening of evening lectures for medical study. Thanks were accorded to the English and other houses who had helped in the consolidation of the Association.

Scottish News.

Brevities.

Cotton-wool is still advancing in price; it is expected soon to reach 2s. 6d. per lb. retail.

Sweetened aerated waters in bottles have gone up 3d. per dozen; syphons, however, remain at the old figure—5s. per dozen.

Last week a serious fire occurred at the premises of Rankin & Borland, chemists, Kilmarnock. The damage amounted to several hundred pounds.

Some of the wholesale houses are now using a rubber stamp with the words "Waiting supplies: kindly re-order." Needless to say, the stamp is used on practically every invoice.

An extraordinary meeting of Aberdeen shareholders of the Co-operative Society was held last week, when it was resolved to support the directors in compelling the employees to join a registered trade union.

Dunfermline chemists are receiving their share of the North prosperity. Window-displays of face-creams, soaps, sponges, and hat-dyes possess evident attractions, while photographic material is also in evidence.

Dispensing throughout the country was at a low ebb during July, although in some places, where there were epidemics, it was better. The beautiful weather accounted for the drop. Soon we shall be preparing for the winter scripts.

A remedy has been found in Kirkcaldy for much of the bad war-bread. The local Press urged that bread of inferior quality be submitted to the public analyst; and a correspondent since reports that his baker now supplies a loaf of excellent quality.

Edinburgh.

A city chemist has a big window-display of toilet-soaps at 2s. 8½d. per dozen. A ticket announces that soap is becoming scarce and dear.

In a letter to the Press, Mr. J. Rutherford Hill, Ph.C., Resident Secretary of the Pharmaceutical Society, 36 York Place, calls attention to the week-end drinking prevalent in Edinburgh, and suggests prohibition as a remedy.

Glasgow.

The business at 63 Garscube Road, Glasgow, has been sold and transferred by the trustees of the late Francis Haldane, chemist and druggist, to his widow, who will carry it on under the name of François Haldane.

A sale of aniline dyes will take place on August 17 at the Masonic Halls, 100 West Regent Street, Glasgow. Samples have been tested by Mr. C. D. Buckley, Manchester, late chief chemist with the Bayer Co. Dye tests and samples will be on view two days prior to sale.

German News.

NEATSFOOT OIL is used in Germany as a lubricating-oil for torpedoes.

THE HORTUS SOCIETY has been formed in Munich for the purpose of promoting the collection of medicinal plants throughout Germany.

FUTURAN is a substitute employed in Germany for hard rubber employed as an insulating-material. It is a condensation-product prepared from phenol and formaldehyde.

FURFURAL.—A new industry in Germany yields large quantities of furfural as a by-product, for which no use can be found. Prizes are offered for suggestions of methods in which this by-product can be utilised.

IODIPIN, a compound of iodine and fixed oil, prepared by Merck, can now only be made in the concentration of 20 per cent., owing to the difficulty in obtaining the proper kind of oil needed to make the 25-per-cent. product.

FEEDING-BOTTLE TEATS are difficult to obtain in Germany. Re-worked rubber is being used for making teats, and a Munich firm employs a rubber-substitute called "Sterilin," which is stated to be "free from smell and stickiness."

SACCHARIN cannot be made in Germany now, as the raw materials are needed for war-purposes. The Imperial Sugar Office has therefore issued a notice that the communes will not be supplied with saccharin until further notice.

GEDROPAN.—Merck, Darmstadt, is making a preserving-tablet, which is sold under the name of "Gedropan," for adding to fruit and fruit-juices to keep them from going bad, as sugar is not obtainable for preservation-purposes. Honey prices have been fixed.

HYDROCHLORIC ACID EXPROPRIATED.—An Order came into force on July 1 for the expropriation and declaration of hydrochloric acid of every strength and degree of purity. It also fixes maximum prices and regulates the issue of permits to use hydrochloric acid in quantities over 100 kilos. per month.

JENA NOTES.—The new hospital and polyclinic for children, founded by the Carl Zeiss Fund in Jena, has been opened by Professor Ibrahim.—The director of one of the subdivisions of the Zeiss works in Jena, Dr. C. Pulfrich, has been granted the title of professor by the Prussian Minister of the Home Department.

WATERGLASS.—The German makers of waterglass from sulphate state that the recent warning issued by the Medical Department of the Prussian Ministry of War against the use of sulphated waterglass is totally unjustified. The only difference in the present manufacture is that the solution is cloudy, as there are no filter-cloths available for clearing it.

METAL-AMINE.—The copper, brass, and pure nickel articles (especially household objects) hitherto excepted from the expropriation Order in connection with those metals have now been called in by order of the Prussian Ministry of War. Only objects of artistic or historic value will still be excepted. New releases will now only be given in very rare instances.

TEA-SUBSTITUTES.—As there is practically no tea, coffee, or cocoa left in Germany, the President of the Committee on War Foodstuffs has called attention to substitutes for these substances. These include dried leaves of the strawberry, blackberry, red-currant, raspberry, and cherry trees, as well as the leaves of birches, elm trees, willows, black-thorn, and walnut trees. The peels of apples and pears are also mentioned. The prices at which these are to be sold are suggested, but are not obligatory.

ALCOHOL FROM CALCIUM CARBIDE.—The "Frankfurter Zeitung" gives particulars of the process by which alcohol is made from calcium carbide. The stages are: (1) The generation and purification of the acetylene obtained from calcium carbide; (2) the conversion of the acetylene into acetaldehyde; (3) the further combination with hydrogen to transform the acetaldehyde into alcohol. A ton of alcohol requires the use of 11,000 kilowatt-hours of electrical energy for its production, including that required for the manufacture of the calcium carbide.

BOTTLE-STOPPERING.—As corks are not now obtainable in Germany, the "Pharmazeutische Zeitung" tells its readers how to stopper a bottle with cellulose. A sheet of thin parchment is placed horizontally on the neck of the bottle. A stopper of cellulose wadding is then pressed with the finger into the neck of the bottle in such a way as to carry the parchment with it. The bottle is then turned upside down, so that the parchment round the cellulose stopper may be damped. Finally a second piece of parchment is fastened over the whole, and, if necessary, the bottle is sealed.

Legal Reports.

Sale of Food and Drugs Acts.—At Clacton on July 30, C. W. Bacon, a grocer, Alresford, was fined 2*l.* for selling baking-powder containing 10 parts of arsenic per million.—At the South-Western Police Court, London, on August 1, Nellie Iden, grocer, Lavender Road, Battersea, was summoned for selling vinegar containing 4 per cent. of extraneous matter. The prosecution were unable to convince the Magistrate that a standard exists for vinegar, and the summons was dismissed.

Export Licences.—At Westminster on August 3, B. F. Goodrich & Co., Ltd., Golden Lane, London, E.C., were summoned for making a false statement with regard to goods for which an export licence was desired. The company applied to export 9,000 lb. of a substance known as super-heat packing to Holland. This was declared to contain approximately about 5 per cent. of rubber. The Government analysis, however, showed that it contained nearly 20 per cent. of rubber. For the defence, scientific evidence was given that the rubber contained in the defendant company's composition was actually under 5 per cent. Mr. Francis said he did not know how to account for the extraordinary discrepancy of the evidence of analysts, but with such discrepancies it would not be safe to convict. In these circumstances he dismissed the summons.

Unstamped Medicines.—At Cheltenham on August 1, the United Chemists' Association, Ltd., were charged, at the instance of the Inland Revenue, with neglecting to affix the duty-stamp to certain medicines. Mr. J. C. Robertson, who conducted the case for the Customs and Excise, stated that the goods in question represented an order for forty-two bottles of Ucal Cherry Blood-mixture, supplied to Mr. Daniel Hughes, chemist, Mold. Mr. Hughes had, in sending the order, made it a condition that the stamp should not be fixed. He hoped thus to save 3*d.* a bottle, and undertook, in view of their compliance, to "accept all risk and responsibilities attaching thereto." This Mr. Hughes in court acknowledged to be the case, the company admitting that in complying with his request they had made an error in judgment. Mr. Pruett, who defended, said it was common knowledge in the trade that, owing to the change of law last year, chemists got landed with surplus stamps. That was the position of Mr. Hughes, and he wanted to use up his surplus. The defendants simply wanted to help him; they had no intention to defraud. Mr. Harold Miller, managing director to U.C.A.L., said his company certainly had no wish to defraud. A fine of 5*l.*, and costs—10*l.* 12*s.* 3*d.* in all—was imposed.—At Mold Petty Sessions on August 3, Daniel Hughes, chemist, High Street, Mold, was summoned by the Commissioners of Customs and Excise on two informations: (1) for receiving for the purpose of selling by retail on his own account, and (2) for exposing for sale forty-two bottles of Ucal Cherry Blood-mixture unstamped. Mr. Robertson, for the prosecution, said that on March 27 a special service surveyor called at the establishment of the defendant, who, in reply to inquiries, produced the bottles referred to and the invoice relating to them. The defendant informed the surveyor that stamp-duty was not payable in respect of the goods, as he required the mixture for dispensing. The defence was that it was not intended to sell the cough-mixture without first stamping the bottles out of a supply of stamps in his possession, and that the use of the mixture for dispensing was in accordance with a concession made by the Commissioners. After a long hearing, the Chairman (Mr. Robert Jones) announced that the Bench had come to the conclusion that a technical offence had been committed, and ordered defendant to pay the costs. Mr. Robertson submitted that the Bench had no right to dismiss a case in respect of a Crown tax after the facts were proved. The Chairman replied that no "dismissal" of the case had been mentioned. Eventually a fine of 5*s.* in addition to the costs was imposed. The charge of "exposing for sale" was not proceeded with.

Bankruptcy Report.

Re Thomas Alexander Brain (trading as the Dye and Chemical Supply Co.), 17 Harp Lane, London, E.C.—The first meeting of creditors under this failure was held on August 8 at the London Bankruptcy Court, before Mr. E. Leadam Hough, Senior Official Receiver. It appeared that the debtor commenced business in October 1916 with between 200*l.* and 250*l.* capital, and promised to do well until May or June last, when the Government prohibited

the export and import of dyes and chemicals. That put an end to the export branch of his business, and he closed down about a month ago. No statement of affairs was lodged, but the debtor roughly estimates his liabilities at 400*l.* and values the assets at 122*l.* 10*s.* The case was left in the hands of the Official Receiver.

Gazette.

Partnerships Dissolved.

HALL-EDWARDS, J. F., and EMBRY-JONES, M. F., 141A Great Charles Street, Birmingham, medical electro-therapists and x-ray specialists, under the style of Hall-Edwards & Embry-Jones.

PERKINS, G. D., and POLLARD, W. A., Nailsea, Somerset, animal-medicine manufacturers and oil-merchants, under the style of The Imperial Veterinary Medicine Co.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

GUY'S TONIC, LTD. (P.C.).—Capital 500*l.*, in 17 shares. Objects: To take over the business carried on at 12 Buckingham Palace Road, S.W., as Guy's Tonic Co. R.O., 12 Buckingham Palace Road, London, S.W.

BROUGH LEAD CO., LTD. (P.C.).—Capital 20,000*l.* Objects: To carry on business as manufacturers of and dealers in lead, white-lead, paint, varnish, oils, pigments, etc. Solicitors: Robbins, Olivey & Lake, 218 Strand, London, W.C.

J. & E. FREEMAN, LTD. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of wholesale, retail, and manufacturing chemists and druggists, carried on by the exors. of the late J. Freeman, Birmingham. R.O., 109 Icknield Street, Birmingham.

GEO. A. FRATER & CO., LTD. (P.C.).—Capital 2,000*l.*, in 17 shares. Objects: To take over the business of manufacturers of and dealers in paint, colours, varnish, and oils carried on by R. T. Dunn at South Shore Road, Gateshead, as "Geo. A. Frater & Co." Solicitor: E. Hannay, N.E. Bank Chambers, South Shields.

BRITISH PYRO PRODUCTS, LTD. (P.C.).—Capital 20,000*l.* Objects: To take over the benefit of the processes and all pending patents for the manufacture and production of pyrophosphoric acid and pyrophosphoric salts belonging to B. Levin and C. J. Pennington. Solicitor: D. Cohen, 26 Brazenose Street, Manchester.

NEW RADIUM CO., LTD. (P.C.).—Capital 1,000*l.* Objects: To take over (with the consent of the Board of Trade) the business lately carried on by Radium, Ltd., the books and documents of which are liable to inspection under the Trading with the Enemy Act. Provision for securing the British control of the company is made in the Articles of Association. R.O., 2 Staple Inn, Holborn, London, E.C.

PRICE'S PATENT CANDLE CO., LTD.—The directors have declared an interim dividend of 15*s.* per share for the half-year ended June 30 and a bonus of 5*s.* per share, less income-tax.

NATIONAL DRUG CO., LTD.—G. E. Corfield, 119 Finsbury Pavement, London, E.C., was appointed receiver on July 11, under powers contained in debenture bond dated October 10, 1916, filed pursuant to Section 94 of the Companies (Consolidation) Act 1908.

GERMAN CHEMICAL-WORKS' DIVIDENDS.—Kalle & Co., Biebrich-a.-Rh., are to pay a dividend of 10 per cent. for 1916, being the same as in 1915. The Akt. Ges. für Anilin-Fabrikation in Berlin intimates a dividend of 18 per cent. (18 per cent. in 1915), and an extra dividend of 70*m.* on each share of 1,000*m.* and 35*m.* on each share of 500*m.* The Chemische Fabrik vorm. Weiler-ter-Meer, of Uerdingen, are to pay a dividend of 12 per cent., being the same as in 1915. The Chemische Fabrik von Heyden A.G., of Radebeul, made a profit of 10,464,336*m.* during 1916, against 5,326,380*m.* in 1915, of which the net profit was 3,903,266*m.* A dividend of 25 per cent. has been declared, against 16 per cent. in 1915. The report states that, in consequence of war measures, the greatly increased demand could only be partly satisfied, difficulties arising through the scarcity of raw materials and skilled labour.

Births.

FERRIS.—At Ballybofey, co. Donegal, on August 1, the wife of Alfred E. Ferris, M.P.S.I., of a son (Gerard Maurice).

HARRIS.—At Cape Town, on June 20, the wife of A. Norman Harris, chemist and druggist (Lennon, Ltd., Gatooma), of a son.

TAYLOR.—At 48 Hamilton Street, Salcoats, on July 18, the wife of Thomas M. Taylor, chemist and druggist, of a son.

Marriages.

BECKETT—GOODLAD.—At the Church of St. Peter-at-Gowt, Lincoln, on July 21, Frank Claude Beckett, only son of Mr. Joseph Beckett, chemist and druggist, Leeds, to Florence May, only daughter of Mr. Goodlad, Lincoln.

HAYMAN—SOUTHALL.—At the Friends' Meeting House, George Road, Edgbaston, on August 1, Eric Hayman, son of Mr. C. G. Hayman, St. Albans, to Ida M., eldest daughter of Mr. Wilfred F. Southall, Ph.C., Carpenter Road, Edgbaston.

HORTON—MACHON.—At Christ Church, Derby, on August 1, Captain Kenneth Horton, youngest son of Mr. J. W. Horton, Hill Top, Makeney, to Phyllis Gertrude, second daughter of the late Mr. Edward Machon, chemist and druggist, and of Mrs. Machon, Linden House, Charnwood Street, Derby.

SAVAGE—ABBOTT.—At St. Augustine's Church, Sheffield, Second-Lieutenant W. J. Savage, Royal Highlanders (the Black Watch), formerly representing Parke, Davis & Co. in the North of Scotland, to Elsa, daughter of Mr. R. Abbott, Ecclesall Road, Sheffield.

Deaths.

ARMSTRONG.—At 14 Caledonian Road, King's Cross, London, N., on July 25, Mr. Benjamin Armstrong, chemist and druggist, aged sixty-five. Before settling in London, Mr. Armstrong was for several years managing chemist to the Malvern Drug Co., Ltd., Church Street, Great Malvern.

EVANS.—As briefly intimated in last week's issue, the sudden death of Alderman John James Evans, J.P., of

Liverpool, occurred at Chester while taking part in the proceedings of the Cheshire County Council on August 2. It was only in December last that Alderman Evans retired from the chairmanship of Evans Sons Lescher & Webb, Ltd., on which occasion we gave his portrait and a sketch of his career. By the death of Mr. Evans the drug-trade loses one of its oldest and most deeply respected members, who for practically half a century had been a leading figure in the commercial life of Liverpool, and for a long period in the administrative work of Cheshire, to which since his retirement he

founded, together with the late Mr. J. S. Lescher (father of Mr. Harwood Lescher), the firm of Evans & Lescher. He was apprenticed to his father's business in 1853, and the next year he entered as a student at Bloomsbury Square, passing the Minor examination in 1860. Returning to Liverpool, he continued his chemical studies under Dr. J. Sheridan Muspratt, the eldest brother of Dr. E. Knowles Muspratt, of Seaforth Hall. In 1861 he visited Canada, where the firm had established a branch, and in 1863 he was admitted a partner in the Liverpool business at the age of twenty-one. He quickly assumed, and until seven months ago took, a leading part in the management of the business, chiefly devoting himself to the buying side and the building-up of a large export trade. When in 1902 the associated firms of Evans Sons & Co., Liverpool, and Evans Lescher & Webb, London, converted their businesses into a limited-liability company, the amalgamation from the financial side was chiefly carried through by Mr. Evans, who was appointed chairman and senior director. Among the many and varied public activities with which Mr. Evans was associated probably the chief is the valuable services he has rendered to the Mersey Docks and Harbour Board, to which body he was nominated a life commissioner in 1891, while his work as Chairman of the Finance Committee of the Cheshire County Council is equally well known. Mr. Evans was also a Past-President of the Drug Club. He leaves two sons in the business, Mr. J. H. E. Evans (who is manager of the Liverpool laboratories) and Mr. K. W. E. Evans. The interment took place at Bebbington Cemetery from his residence, Brackenwood, Higher Bebbington, on August 4. Among the chief mourners were:

Mr. J. H. E. Evans and Mr. K. W. E. Evans (sons), Mr. Alec Fergusson, Mr. Ian Fergusson (grandsons), Mrs. Fergusson (daughter), Mrs. Buchanan, the Rev. J. M. Fergusson (son-in-law), Mrs. J. H. E. Evans and Mrs. K. W. E. Evans (daughters-in-law), Mr. W. P. Evans and Mr. A. E. Evans (brothers), Miss Evans (sister), the Rev. Evan Richard Jones (brother-in-law), Lady Evans (sister-in-law), Mr. Arthur Everett, Mr. J. N. Evans, Captain Godfrey Castle, Mr. Ernest Evans (nephews), Sir Aston Webb and Mr. E. A. Webb (cousins), Sir Edward Evans (brother) and Miss Isabel Evans (sister) were absent on medical advice. Amongst those present in the church and at the graveside were Messrs. Charles W. Tining (National Drug Co., Canada); F. Lloyd Beckett (Bacteriological Laboratory, Runcorn); J. Williams (late of Clay, Dod & Co.); Joseph McCaig; Harold Nixon (Ayrton, Saunders & Co., Ltd.); George Brinson (J. C. Galloway, Liverpool); Thomas Sproat, Rock Ferry; H. S. Patterson, G. P. Patterson, W. P. Nicholson, E. T. Rees, C. Dalrymple, G. Dalrymple, J. Parker, C. I. Malvern, W. Wellings, W. J. M. Tallantyre, H. R. Jensen, J. Holden, G. W. Brimson, I. Scrivener, E. H. Johnson, John Briggs, J. Shacklady, F.C.I.S., H. E. Abbott, J. H. Kenion, H. W. Woodhouse, W. W. Mellings, and John Jones (Liverpool Chemists' Association), J. C. Turner, T. Pool, F. L. Gutteridge, J. F. Jones, F. M. Dobson, R. F. Houghton, I. Davies, J. C. Nicholson, A. W. Broad, and representatives of the Mersey Dock and Harbour Board and other public bodies.

DICKSON.—At 101 Oxford Drive, North Kelvininside, Glasgow, on July 15, Margaret McLaren, wife of Robert Dickson, chemist and druggist.

DOBBIE.—At Hawthorn Villa, Hawkhill, Ayr, Mr. David C. J. H. Dobbie, chemist and druggist, aged seventy-four.

HARDEMAN.—At 15 Haley Street, Cheetham, Manchester, on July 24, Mr. Charles Richard Hardoman, chemist and druggist, aged eighty.

MELVER.—At Newlands of Urchany, Cawdor, N.B., recently, Mr. John Molver, chemist and druggist, who was formerly with Mactavish & Lehmann, of Shanghai, and Fletcher & Co., of Hong-Kong.

MOORE.—At Belfast, last week, Mr. George Moore, who had been with T. McMullan & Co., wholesale druggists, Belfast, for fifty-four years.

RUSTON.—At Workop, on July 26, suddenly, Mr. John Ruston, chemist and druggist, aged fifty-eight. Mr. Ruston carried on business at Workop for twenty-two years.

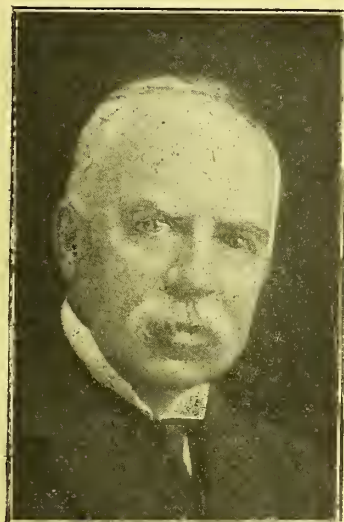
THOMSON.—At Crosshill Pharmacy, Lochone by Lochgelly, on July 13, Mr. George Thomson, chemist and druggist, aged thirty-three.

Died on Service.

BENNETT.—Pioneer Donald Bennett, formerly proprietor of the pharmacy at High Street, Cranleigh (Surrey), now conducted by Mr. G. H. Chaston, has fallen in action. He joined the Royal Engineers in April 1916.

BUSH.—Killed in action on July 31, Second-Lieutenant Alfred John Bush, Lincolnshire Regiment, eldest son of Mr. Alfred W. Bush (W. J. Bush & Co., Ltd.), aged twenty-two.

CLARKE.—Bombardier Ben Clarke, of the Royal Field Artillery, and whose home was at Ashton-under-Lyne, has been killed in action in Belgium. Before joining the Army in March 1915 he was an engineer with the Carbonic Acid Gas Co., Manchester.



ALDERMAN JOHN J. EVANS, J.P.

had devoted most of his leisure. Mr. Evans was born in 1842, and was the eldest son of Mr. Edward Evans, and a grandson of Mr. John Evans, formerly of Worcester and London, who removed to Liverpool in 1833, when he

CURPHEY.—At a German field hospital, on May 15, Captain W. G. S. Curphey, M.C., R.F.C., son of Mr. W. S. Curphey, F.I.C., Chief Inspector of Alkali, Home Office, aged twenty-one. Captain Curphey was educated at Glasgow Academy and University College School, London, and was awarded the Military Cross in 1916, with the addition of bar in February last.

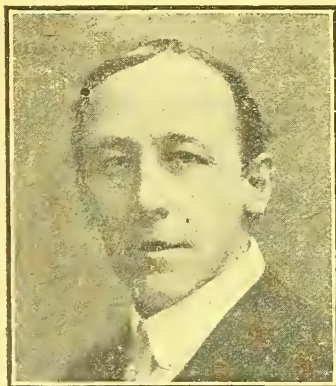
FAWCETT.—Signaller Harry Fawcett, Royal Marine Light Infantry, who after being missing is now officially presumed to have been killed, was, before enlistment, employed at Taylor's Drug Stores, Leeds.

LENTON.—Second-Lieutenant Gerald Lenton, Bedfordshire Regiment, brother of Mr. W. H. Lenton, Ph.C., of Huxton, died in France, on July 27, of wounds received in action, aged thirty-three. Second-Lieutenant Lenton obtained his commission in June 1915, having previously served as a private in the H.A.C. After gaining early experience with Ayton, Saunders & Co., Ltd., of Liverpool, he passed the Minor examination in 1906 and the Major in the following year, with distinctions in chemistry both at Muter's and at the Bloomsbury Square School of Pharmacy. Subsequently he entered the laboratory of Brady & Martin, Ltd., of Newcastle-on-Tyne, and was in course of time appointed pharmacist and assistant-analyst in the Government Civil Hospital, Hong-Kong, filling also the post of examiner in chemistry to the College of Medicine in that city. Two brothers who were farming in Canada joined the Forces at the outbreak of war.

MANN.—Sergeant James Emil Hubert Mann (formerly Zimmermann), of the Honourable Artillery Company, youngest son of Mr. August Zimmermann, 3 Lloyd's Avenue, London, E.C., died on May 16 last from wounds received on the previous day.

Personalities.

DR. CHARLES A. KEANE, who has been elected Chairman of the London Section of the Society of Chemical Industry,



DR. CHARLES A. KEANE.

was born in Nottingham, and educated at the Mount Vernon High School, Nottingham. He then studied at Owens College (now the University), Manchester, under the late Sir Henry Roscoe and the late Professor Schorlemmer; at Erlangen University, Bavaria, under Professor Emil Fischer, and subsequently under Professor Otto Fischer; and at Wiesbaden under the late Professor R. Fresenius. He is a D.Sc. of Victoria University, Ph.D. of Erlangen University, Associate of the Owens College, and Fellow of the Institute of Chemistry. Dr. Keane filled the position of senior demonstrator of chemistry and lecturer on organic chemistry at the University College (now the University), Liverpool, from 1887 to 1902. He was appointed first Principal of the Sir John Cass Technical Institute, also head of the chemistry department in 1902, which position he still occupies. For several years he was Secretary and was subsequently Chairman of the Liverpool Section of the Society of Chemical Industry. He delivered the Hurter Memorial lecture to that Section of the Society in 1910. He has also been Secretary and subsequently Recorder of the Chemical Section of the British Association, and at various times member of the Councils of the Chemical Society, the Society of Chemical Industry, the Institute of Chemistry, and the Society of Public Analysts and other Analytical Chemists. His original papers, contributed to the Chemical Society and to the Society of Chemical Industry, have dealt chiefly with organic and analytical chemistry. He is the author of "Modern Organic Chemistry" (1909), and editor, in conjunction with Professor G. Lunge, of "Technical Methods of Chemical Analysis" (1908-14). Dr. Keane is well known at chemical gatherings in London, and is a very effective speaker.

Trade Notes.

SALVARSAN PATENTS.—The Anglo-French Drug Co., Ltd., Gamage Building, Holborn, London, E.C., have been granted licences to use the five salvarsan and neo-salvarsan patents.

THE BIPLANES depicted in the advertisement of Burroughs-Wellcome & Co. in this issue are correct representations of the Gotha type, such as were employed by the Germans in the air raid last month on London.

SNOWLEEN contains 50 per cent. of witch-hazel extract, thus being of distinctive quality as a vanishing-cream. The makers, the White Band Manufacturing Co., Ltd., South Croydon, advertise that they will send sample and particulars on application.

HOLADIN is an extract of the entire pancreas gland, prepared by Fairchild Bros. & Foster, and supplied by Burroughs-Wellcome & Co. Special potency is claimed for it in respect of amylolytic and lipolytic enzymes, as well as of lecithin and nuclein. It is put up in capsule form, with and without the addition of ox-gall.

HAVERSACK RATIONS.—Bellis & Co., Ltd., 199 Harrow Road, London, W., send us samples of the haversack rations which they pack in collapsible tubes, a form which is handy for soldiers' use. The list of foods packed in this way includes turtle-soup, consommé, coffee and milk, butter, honey, and chutney. Chemists supplying customers with gifts for troops should send for the list of haversack rations.

Wills.

MR. RICHARD STOPFORTH, 13 Rutland Avenue, Liverpool, who died on January 8, has left property of the value of 3,740*l.* 8*s.* 6*d.*

MR. WILLIAM HENRY STICKLAND, Ph.C., 2 Hamilton Road, Ealing, who died on May 19, left estate valued at 3,717*l.* 0*s.* 11*d.* gross, with net personality 3,586*l.* 14*s.* 9*d.*

MR. SAMUEL SAVILLE, 18 Grove Park Terrace, Harrogate, of S. Saville & Son, Hunslet, who died on March 10, left estate of the gross value of 3,818*l.*, of which 3,618*l.* 10*s.* 2*d.* is net personality.

MR. WILLIAM BRAY, chemist and druggist, Lansdowne, Clinton Road, Redruth, who died on April 19, left estate of the gross value of 5,437*l.* 11*s.* 2*d.*, of which 4,658*l.* 3*s.* 5*d.* is net personality.

GUNNER THOMAS HERBERT WALMSLEY, R.G.A., 31 Clapton Avenue, Halifax, of Walmsley Bros., wholesale druggists and drysalers, who was killed on March 17, has left property of the value of 1,334*l.* 15*s.* 10*d.*

MR. EDMUND GEORGE FRANCIS, 29 Matheson Road, West Kensington, manager and director of the Manbré Saccharine Co., Ltd., who died on April 4, left property of the value of 22,904*l.* 9*s.* 10*d.*, with net personality 20,655*l.* 11*s.* 11*d.*

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

| | |
|-------------------------------------|---|
| 97/48. Aluminium or metal measures. | 98/39. "Theomel" ointment. |
| 98/28. "Baletin." | 98/51. Bloc Dermé |
| 98/35. Fawcett's pearl barley. | 99/32. Wax wire: actual makers. |
| 98/38. Dent's toothache-gum. | 98/49. Corn-paint bottles with brushes: supplies. |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

| | |
|--|---------------------------------|
| "Aletris Cordial," 93/16 | Henri's shampoo-powders, 74/18 |
| Anatto paste, 92/18 | "Inolak," 91/3 |
| Barstow's filters, 93/58 | James' blister, 74/18 |
| Bottle-capping skins, 91/63 | "Kapak," 91/43 |
| "Camilatone" shampoo, 95/7 | "La Blache," face-powder, 95/71 |
| Carrel Dakin treatment, apparatus for, 92/53 | Mackill's asthma-cure, 72/37 |
| "Dentaline," 69/10 | Oil of bay (crude), 91/71 |
| Glucose, 90/52 | "Phul Nana" perfume, 88/40 |
| | Yeo's inhalers, 84/58 |

Observations and Reflections.

By Xrayser II.

Your Leading Articles

on "Doing without Germany" and "French Import Restrictions," taken together, are a lesson in political economy which deserves to be taken to heart. That we must in some way protect ourselves when the war is over against such aggressive trading methods as Germany has practised for many years past is certain, but not only does it not follow that what has come to be distinctively known as "protection" affords the best means of doing this, but the example of France goes far to show that it is no real protection at all, for France, so far as tariffs go, one of the best "protected" countries in the world, was quite as much penetrated by the German aggression as we. The second of your two articles shows, too, not only that artificial fiscal regulations set up unnecessary friction even between the most friendly countries, but that they have a disconcerting way of bringing about effects quite different from, and even contrary to, those intended. The true line, so far as we can yet foresee it, appears to be the encouragement of home industries, whether by bounties or in some less direct manner. Tariffs are ineffective as protectors unless they are absolutely prohibitive, and if that, they are apt to be as hurtful to trade as they are stimulative to production.

The President's Remark

that most people do not realise the difficulties connected with the relinquishment of our exclusive right to the title of Chemist, coming as it did immediately after a reference to a discussion of the subject in the Press, would seem to indicate something like contempt in his mind for Press opinion. The *C. & D.*, however, is not liable to the charge of ignorance in this matter: you neither ignored nor minimised the difficulties referred to—in fact, you seem, in the opinion of some of your readers, to have taken too conservative a view of the question, and to have attributed too much importance to our retention of the right we are asked to give up. From that view, if anybody really holds it, I, for one, emphatically dissent; but it is quite possible to over-estimate the difficulties in the way of an agreement with the various chemical societies, as well as to under-estimate them. It would perhaps help us to a truer estimate of the whole matter if the President would tell us precisely how we are placed with regard to it. Has any definite request of the kind we have heard spoken of been made to the Society by any official body? Is there any general movement among "professional chemists" in favour of attempting to wrest this concession from us? If so, in what direction and by what means is it proceeding? Is anything being offered us in return, or is there anything that can be offered? And what are the "many difficulties" in the way?

Mr. Woolcock

must be congratulated upon his appointment to his new post, and though it will deprive us to some extent of his services we shall not begrudge him the advancement on that account. The fact is, and has long been evident, that Mr. Woolcock is too ambitious ever to content himself with purely secretarial duties, and it is doubtful whether the post he holds in the Pharmaceutical Society could ever satisfy a man of his abilities and ambitions, or, indeed, whether their exercise could ever be confined within the range of such duties. We have to thank him for many services that certainly transcend that range as usually defined, and we have every reason to wish him good luck in any larger sphere of labour to which his secretaryship may ultimately prove to have been the stepping-stone.

The Death of Mr. Brunker

removes a figure who for many years occupied an important position in Irish pharmaceutical politics, latterly as advising chemist to the Local

Government Board. This position brought him in contact with practical pharmacy at many points in connection with the analysis of samples of drugs supplied to the Poor-law Unions throughout Ireland. In this work he acquired statistics of great value, and these he put to practical use. Mr. Brunker was the first, to the best of my recollection, to propose a series of tincture standards, which were officially adopted and known subsequently as the L.G.B. standards. The work then initiated was followed up by others, and I do not think that Mr. Brunker's achievement was ever adequately recognised by contemporary workers.

An Amended Pharmacopœia

is not our only trouble in these days, for if the statements referred to by "Pharmacist" in your last issue are correct, we are now face to face with a brand new Poisons Schedule—the khaki schedule we may call it for convenience. This khaki schedule embraces all narcotic poisons and their preparations, even paregoric being included, I believe, and the special feature about it is that we pharmacists cannot legally supply any medical man in khaki with any one of the scheduled poisons unless he presents a prescription written by another medical man. This at least is the reading of the ridiculous statement made in the "official journal," which answers "emphatically in the negative" this question: "An Army or Navy medical officer presents a written order, signed by himself, for (morphia) hypodermic tablets: can the tablets be lawfully supplied?" I have shown this to one or two of my R.A.M.C. medical friends, and their comment was simply a smile at the childishness that could so misread the regulation as to include in it any such prohibition.

The Prospectus of the Progressive Pharmacy Club,

for a copy of which I have to thank the Secretary, in no degree modifies my opinion of the desirability of such an institution, or my approval of the lines, so far as they are therein laid down, on which the Club is to be conducted. But I could wish that its objects had been a little more precisely stated. Necessarily they must be stated in general terms, but this prospectus leaves them very vague indeed. "Progress" is a word of exceedingly wide application; it may be interpreted very differently by different people. "Co-ordination of effort on progressive lines," again, and "co-operation of the different pharmaceutical interests," are admirable phrases, but they do not advance us in any particular direction, nor even indicate any; they are simply means, not ends, conditions of effective action the object of which is not stated. But obviously the Club is not intended merely to unite us as a preliminary to action; it has, we must suppose, some ulterior object, some particular scheme of progress, in view. For we are told that membership is to be restricted to pharmacists who wish to see their profession assume its rightful position, and

"Whose Views are in Accord

so far as regards matters of general principle." Obviously the only real restriction is indicated in the somewhat curiously worded clause I have quoted in inverted commas. Only those pharmacists, it would seem, are eligible for election as full members whose ideas of progress agree in principle with those of the Executive Committee of the Club, who, as Mr. Humphrey puts it in your correspondence columns, will decide as to their "fitness." Now, it is perhaps necessary that a club that is founded for the purpose of securing definite reforms should include only members desiring those reforms, but (as I have said) no definite scheme of reform is so much as hinted at in the prospectus. We can only guess what the "necessary reforms" referred to in it are by the fact that "The Script" is to be the link between members. I say nothing against "The Script," but if asked precisely what it stands for I should hardly know what answer to give. It is, I understand, in a general way "agin the Government," and so am I; but this is hardly enough as a statement of policy.

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Editorial Articles.

South African Trade.

AN interesting and valuable Report on the trade of South Africa for 1915 and 1916, compiled by H.M. Trade Commissioner (Mr. W. G. Wickham), has been issued by the Commercial Intelligence Department of the Board of Trade. It differs materially from the stereotyped character of official trade reports and Blue-books inasmuch as it is

full of practical suggestions and hints to British exporters and manufacturers. Moreover, the Commissioner spares no pains in revealing the gravity of the commercial situation, so far as this country is concerned, when industrial warfare is resumed. He tells the British manufacturers that the time to capture the South African market is *now*, and that they are displaying a very great shortness of vision in losing touch with their oversea selling organisation. In summarising the commercial position as it now stands the Commissioner says

"that the high prices offered for commodities, particularly from the United Kingdom, give an inflated appearance to exports in relation to values of previous years, and that they may have provided inducement to export in lines where there was no surplus, and even lines where there was little or no production before the war. And as regards imports to South Africa, while the high prices ruling have given an appearance of normal or even abnormally large importations, in reality many factors have been at work to cause the market to absorb considerably less in quantity than usual—viz., difficulties in getting freight-space, abnormally high freight-rates, in addition to high prime cost, prohibition of exports from other parts of the Empire, and dear and scarce money, resulting in postponement of public work and private enterprise. On the other hand, the war has created an artificial demand for public purposes, to the obtaining of which, as necessities for war, there was no official obstacle."

The Commissioner next discusses local industrial conditions, instancing the fact that wattle-bark, the cultivation of which has grown in recent years into an important industry, has had to find a new market instead of Germany. It is believed that the recently started works for extracting the tannin on the spot will have shown the way to solve this question. The Report gives much valuable information in regard to American and Japanese competition, and as to the glass-bottle trade it may be said that Japan simply saved the situation. That country is also supplying laboratory glassware, which was almost exclusively supplied by Germany and Austria, and the prices are very low, although the product is not equal to German glassware. With regard to the supplies of chemicals and apparatus available for mining purposes, the Report indicates that the mines are in a relatively better position than they were a year ago, or, in fact, at any time since the commencement of hostilities. In the majority of cases they hold from six to twelve months' reserve stocks, and, with the exception of one or two lines, merchants are carrying ample supplies. Most merchants, acting on their experience of 1915, anticipated difficulties in regard to supplies and disorganisation of shipping, and a consequent shortage of stocks. They therefore indented for double quantities in the hope of receiving half. The supply and shipment of goods entirely upset calculations; indents were executed in their entirety, and for the last six months of 1916 cargo-boats arrived at the coast with almost pre-war regularity. The mines are now in the advantageous position of holding ample reserves in very many lines, and naturally their buying has been very much curtailed pending the reserves being used up. When inquiries for goods have been made, the merchants, being overstocked, have been so anxious to secure the business that a price under landed cost is quoted, and the goods are supplied at a much lower figure than that at which they can be landed to-day, and in some cases less than the present United Kingdom cost. There is a very pessimistic feeling abroad in regard to the shipment of supplies from the United Kingdom during 1917, and should events prove this feeling to be justified, the heavy importing indulged in by the merchants during the past year will be to the benefit of the mines and the community at large. It is worthy of note that the demand for fine chemicals for analyses and reagents is being filled by products made in the United Kingdom, and that the buyers are satisfied with the quality, which they state is in every way equal to that of the German article. British makers of filter-papers (for which there is a large demand) have also shown commendable enterprise, as they are now the sole suppliers in place of Germany for Sweden.

Doing without Germany.

II.—British Overseas Possessions.

LAST week in showing how this country has learnt, as a result of the war, to do without Germany, we did not refer to the part which the Overseas Possessions will take in maintaining the independence of the British Empire. The immense wealth of the British Dependencies in raw materials—both mineral and vegetable products—is a most important factor in the future of the world's industries. Those who hold the raw materials may control the manufactures in which these are employed. As is well known, before the war Germany had secured many of the sources of supply of raw materials although these existed in our own Empire. This was largely due to the easy-going attitude of Britons, who were naturally loth to attribute to Germany the treacherous designs which we now know were part of that country's world politics. The war has so modified this apathetic attitude that all parts of the Empire are resolved never again to permit the Huns to have the same freedom of action. If anything the resentment against Germany is greater overseas than at home, but in both cases it has its origin in the contempt which decent people feel against criminals. Australia, for example, aims at the complete extirpation of German influence, and is not disposed to employ velvet gloves in the process. Apart from the drastic action taken in regard to enemy trade-marks, perhaps the outstanding accomplishment has been the diversion of the spelter industry. Before the war immense quantities of ore concentrates were sent to Germany from Australia to be converted into metallic zinc. In future, however, the metal will be produced in Australia or in Great Britain, where new plant on a sufficiently large scale is in course of erection. The wool produced in Australia is a factor which makes for the stability of the new lanoline industry set up in England. The supply of tungsten ores from Australia and India has also been diverted to this country. The mention of India reminds us of the transference to British control of the most important sources in the world of the rare earths forming the raw material of the gas-mantle industry. The diversion from Germany of Indian products, such as ajowan-seed (the chief source of thymol) and sandalwood, may also be mentioned. Phosphates, needed as a fertiliser in agriculture, have been supplemented by the acquisition of the German supplies from the Pacific Islands. A marvellous development of Canadian resources will result from the war, the attainments having already reached such a stage that no action by Germany after the war can displace the new industries which have sprung up. Apart from the utilisation of natural products the electric power available in Canada has already been employed on a large scale in making acetone, potassium chlorate, magnesium, aluminium, carbon electrodes, phosphorus, carbides, ferro-molybdenum, abrasives, and in refining nickel. Canada controls the world's supply of nickel, and large electrolytic refining-plants erected in Ontario will be in working order before the end of the year. The Ontario mines supply the world with cobalt, which has many other uses than as a colouring agent in the ceramic industry. Metallic cobalt is now being employed for high-speed tools, whilst cobalt plating may yet rival nickel plating in popularity. Potash is being produced from felspar and from kelp on a scale making it uneconomical again to import German potash into Canada. It is particularly interesting that Canada will recover her reputation as a producer of potash, which she had lost owing to the competition of the German potash-mines. Of even greater interest to our readers has been the development of the fine-chemical industry in Canada. The advantage of the possession of supplies of acetic acid has been seized, and for the first time glacial acetic acid has been made there. The manufacture of acetic anhydride for use in making aspirin followed naturally, and there is one plant for making acetylsalicylic acid which has a capacity of a ton a day. Canada is the chief source of phenacetin at the present time, and that country is making large quantities of *p*-amidophenol, needed

in various photographic developers. Salvarsan, which German chemists said is too difficult for any but themselves to make, is being made in substantial quantities, and this manufacture may therefore be taken as an indication that there is no limit to the possibilities of what Canada may do in the future. South Africa has sources of electric power which are capable of development, and possibly all the cyanide required for the gold-mines will be home-made before long. At present the supplies of cyanide, which before the war came chiefly from Germany, are obtained in Great Britain on terms which will keep out Germans for many years to come. Some chemicals, such as Epsom salts and Glauber's salt, are being produced locally. In general it may be said that the Overseas Possessions are pooling their raw materials for the general good of the British Empire and its Allies. The great war will mark the foundation of many new industries, and a forward movement in the development of all the British Dependencies which would have been well nigh impossible without this stimulus. Furthermore, what we hold we shall retain.

Sugar-distributing Scheme.

WE referred last week to the preliminary announcement which Lord Rhondda made in the House of Lords regarding the new scheme which is being devised for the equitable distribution of sugar. The scheme is to be worked through local Food Control Committees, who will prepare lists of retailers, householders, caterers, institutions, and manufacturers, and take charge of the distribution of sugar to these users by means of a system of vouchers or sugar cards. The following are the details in regard to sugar required by manufacturers, under which heading chemist will come:

APPLICATION FOR AUTHORITY.—No person will be allowed, after November 4, to obtain sugar for the purposes of manufacture except upon an authority obtained from the Food Control Committee. Separate application will have to be made for any branch establishment, and in some cases separate applications will have to be made in respect of different manufactures carried on at the same premises, in view of the differences in the restrictions of the use of sugar imposed by the Sugar (Restriction) Order, 1917. In every case the application must be made not later than September 22, and will show the class or classes of manufacture for which sugar is required, and give particulars as to the manufacturer's supplies and use of sugar.

RECEIPT OF AUTHORITY.—The procedure will be practically the same as that described in the case of the caterer. The manufacturer's authority and vouchers will be on blue paper to distinguish them from authorities and vouchers issued to other persons, which will be on white paper. In the event of a shortage of supplies white vouchers will receive a certain measure of preference from suppliers over blue vouchers except such as relate to supplies for drugs and medicinal preparations.

Wholesalers will have their supplies of sugar regulated in accordance with the quantities which registered retailers, caterers, institutions, and manufacturers, or other wholesalers are authorised to obtain from them. We presume that forms will be available at the offices of the local Food Control Committee; pharmacists must, therefore, so soon as the local Committee is set up, apply for the necessary forms. Chemists should in the meantime prepare an estimate of the quantity they require, which should be based upon the amount used in the corresponding period of the previous year. The reference to the procedure as to the receipt of authority being the same as in the case of caterers is explained by the following paragraph:

The caterer, in so far as his application is approved, will receive, not later than October 9, an authority having six vouchers attached to it. If he has indicated on his form of application that he is accustomed to obtain sugar from more than one supplier, separate authorities may be issued to him accordingly. Each voucher will authorise the caterer to obtain, in respect of the four weeks shown upon it, a specified quantity of sugar.

We are glad that the authorities have at last recognised the difficult position of chemists who have to supply medicinal preparations containing sugar.

Air-bomb Dermatitis.

THE yellow powder employed by the Germans in the air-raid bombs which were used in the recent raid on London has been identified as hexa-nitro-diphenyl-amine. Several cases of severe dermatitis have occurred in people who have come in contact with the powder. Hexa-nitro-diphenyl-amine is recognised as an explosive substance, but its use in German air-bombs is probably designed to cause as much suffering as possible to the victims of air raids. The application of calamine lotion (calamine 70 gr., lime-water 1 oz., olive oil 1 oz.) is the best treatment for the dermatitis.

Alkali-works Report.

THE ANNUAL REPORT for 1916 on Alkali, etc., Works, by the Chief Inspector, has been published this week. It occupies about sixty pages. The number of registered works in the United Kingdom is 1,560, an increase over the number in the year 1915. The supervision of the Inspector covers a large number of processes not associated with the manufacture of alkali, but in which gases are evolved. It is stated that owing to shortage of staff the various works have not been visited as they should have been, nor have any proceedings been taken for the recovery of penalties for contravention of provisions of the Act. A passing reference is made to the large amount of tungsten that is now being mined in Cornwall and the utilisation of sulphide ores of zinc for the manufacture of sulphuric acid. A great increase is noted in the use of plant for the contact process of making sulphuric acid. Nitre-cake is being utilised in place of sulphuric acid in chemical-manure works. A good part of the Report is devoted to the work that has been done on the direct process of making ammonium sulphate.

War Emergency Formulæ.

REFERRING to the recent action of the General Medical Council in omitting from the Pharmacopœia those preparations containing glycerin and sugar (*C. & D.*, August 4, p. 44) the "Lancet" suggests that, to promote uniformity, a set of war emergency formulæ should be drawn up, preferably by the General Medical Council, which could be regarded as temporary standards. Failing this, suggests our contemporary, the taste and appearance of medicines dispensed from the same prescription are likely to differ considerably. As a contribution to the subject, Mr. Geo. Roe, dispenser at the Hospital for Women, sends us a useful hint regarding the preparation of glucose syrup. It is found that glucose diluted to the sp. gr. (1.33) of syrupus, B.P., becomes crowded with vegetable organisms on keeping. A method which Mr. Roe finds of service is to add the water, boil and strain, then when cold add chloroform to the strength of aqua chloroformi, B.P. A glucose syrup made in this way has kept clear for several months.

Pharmacists in the Army.

THE MESOPOTAMIA REPORT and evidence given before the Committee on Recruiting have brought the Royal Army Medical Corps into the limelight, and there have been questions in the House of Commons which seem to suggest that changes in the Corps are desired. Major David Davies makes the suggestion that the Royal Army Medical Corps should no longer form a part of the Adjutant-General's Department, but should be a separate Department of the War Office whose head should be a member of the Army Council. It is also stated in the "Daily News" that Sir Alfred Keogh, the Director-General of the Army Medical Service, has tendered his resignation of that position. We hope that the Pharmaceutical Society will not let the opportunity pass of pressing for the recognition of pharmacists in the Army Medical Service. The occasion is not likely to present itself again for a generation, because in peace-time, to which hitherto all such proposals have been postponed, the matter is bound to be shelved in the same way that it was after the Boer War. It is not known whether the Pharmaceutical Society have a scheme prepared for a Pharmaceutical Corps, but there has been plenty of time for collating the many suggestions that have been put forward, and putting a reasonable plan

before the authorities. We hope it is not going to plead that there are "difficulties," or to take refuge in the statement that previous efforts have been failures.

Insurance Tariff-revision.

THE first pamphlet issued by the Progressive Pharmacy Club (dated July 3) deals with the question of the revision for 1918 of the Insurance Dispensing Tariff. The pamphlet should be carefully studied by chemists who recognise the importance of the subject. There are two schemes suggested for dispensing-fees (they include the establishment-charge), which we give in parallel columns:

| 1. | 2. |
|--|---|
| Mixtures and other liquid medicaments, freshly compounded 4d. | All liquid and solid medicaments, freshly compounded 4½d. |
| Ointments, pastes, powders, etc., ditto 4d. | Stock mixtures, pills, tablets, etc., not specified in Tariff ... 3d. |
| Blisters, cachets, and emulsions, ditto 5d. | Drugs ordered alone and preparations specified in Tariff ... 2½d. |
| Pills, suppositories, etc., ditto 6d. | Proprietaries 2d. |
| Granules, plasters, and tablets, ditto 8d. | Appliances 1d. |
| Stock mixtures, pills, tablets, etc., not specified in Tariff... 3d. | |
| Drugs ordered alone and preparations specified in Tariff ... 2½d. | |
| Proprietaries 2d. | |
| Appliances 1d. | |

The second scheme has the advantage of simplicity. We understand that the pamphlet is being put before Pharmaceutical Committees for discussion, and that the Secretary of the Club (Mr. John Humphrey, 65 Park Road Battersea, London, S.W. 11) will supply copies to those interested.

Morphine in China.

ACCORDING to the "Lancet," Wu Lien-Teh (G. L. Tuck), M.D., President of the Chinese National Medical Association, read a paper before the Joint Medical Conference at Canton early in this year which was a terrible indictment of the menace of morphine in China. The exports of morphine from Great Britain are given as 7½ tons in 1912, 11½ tons in 1913, and 14 tons in 1914, the estimates for 1915 and 1916 being 16 tons for each year. The normal importation of opium into Japan for medicinal purposes is only 10 chests a year, but the importation of morphine into that country in 1911 was 1½ ton; in 1914 this had risen to 12 tons—that is, 1 ton a month. There is a large firm in Japan which acts as agent for the exporting firm in London. In 1913 alone this agent in Japan imported 2½ tons of morphine by registered post *via* Siberia. The two other British firms exported 2 tons by the same method, and 1½ ton came from Germany, making a total of 6½ tons in 1913. So far it has been ascertained that neither Japan nor Germany has got the necessary plant to manufacture morphine on any large scale, and the alkaloid has come mostly from firms in Great Britain. Once arrived in Japan the morphine is usually made up into small packets or placed into small bottles, labelled in different ways—e.g., morphine, "white powder," "soothing stuff," "dreamland elixir," etc.—and exported openly or smuggled secretly into China by way of Dalny, Antung, and Formosa. Almost every Japanese drug dealer or pedlar in Manchuria sells it in one form or another, and does so with impunity, because no Japanese can be arrested without complaint being first lodged at the Consulate. From these Japanese agents and sub-agents the drug may be passed on to disreputable Chinese who frequent the coolie depôts and inject a solution, usually very dirty, with a hypodermic syringe, which may be made of glass, metal, or even bamboo. The habit is spreading rapidly, and the reader of the paper suggests that the Chinese Government should enact without delay proper pharmacy laws to regulate the position of dispensers and pharmacists in charge of drug-shops, the sale of morphine, cocaine, and other deleterious drugs, and poisonous chemicals.

Strike of Amsterdam Pharmacists.

(From Our Netherlands Correspondent.)

At various times there have been suggestions in Great Britain that chemists should strike as a protest against the terms for dispensing under the National Insurance Act, but such an event has never occurred. In Amsterdam, however, the pharmacists' protest against the terms suggested for dispensing for sick-clubs (which correspond to Medical Benefit under the National Insurance Act) was carried as far as a strike, and for a fortnight no "insurance" prescriptions were dispensed by the "panel" chemists.

FOR a long time the Amsterdam pharmacists have not been on friendly terms with the sick-clubs. Only one of the Amsterdam sick-funds, the A.Z.A. (Algemeen Ziekenfonds voor Amsterdam), is so constituted that the insured persons have the right to choose their own physician and pharmacist from those on the panel, as in the British system. The nine other sick-clubs, founded with the idea of making a profit, pay the smallest remuneration to the physicians and pharmacists whom they employ, and hence many occasions arose for disagreements. This year the contracts with these nine clubs were due for renewal. The physicians were able to make satisfactory terms, but the pharmacists could not arrange their remuneration so easily. Forty-three pharmacists were under contract to dispense for these clubs, and on May 11 a conference took place between the parties as to new contracts. Two important points of divergence arose. On their side the pharmacists claimed the right to a ratio, as regarded the fees paid to physicians, of three to five, while expressing their willingness to accept, as a temporary expedient in the abnormal times, lower remuneration. The clubs, besides rebutting this, claimed the right to make contracts with pharmacists outside the organised Association, the Department Amsterdam of the Nederlandsche Maatschappij ter Bevordering der Pharmacie. Neither side would abate its claim, and the pharmacists' suggestion of the Burgomaster of Amsterdam as arbitrator having come to nothing, the strike was a foregone conclusion.

As on July 1 satisfactory arrangements could not be concluded, the forty-three pharmacists refused to dispense for the members of the sick-funds concerned. These pharmacists have 130 assistants, and dispense daily about 8,000 prescriptions, which had now to be obtained from the seven outside pharmacies, employing about twenty assistants. Other members of the Department Amsterdam who were not on the panel refused to dispense sick-fund prescriptions, and on the second day of the strike four out of the seven pharmacies declared that they would not undertake sick-fund dispensing. Meanwhile the pharmacies were exhibiting posters on their windows, and in so doing scored one or two points. The wording was as follows:

"To the members of the sick-funds!

... After July 1, when the contribution of the members has been advanced to 13 cents, the directors of the sick-funds refuse to advance our rates proportionately. Moreover, they claim to make contracts with the pharmacies that have long been excluded from our organisation. ... We have no contracts with these funds on July 1. ... As July 1 is a Sunday, you will be served in the usual way in the pharmacies that are open then. We will defray the expenses. Also, in cases where immediate help is necessary, especially at night, we shall serve you in the usual way."

Another manifesto states:

"... The sick-funds have made contracts and agreements with the thirteen excluded pharmacies. After July 1 only these pharmacies will work for you. They are not able to prepare for all this work. ... We are willing to prepare your medicines immediately, in the same way as usual, but first of all the suppliants must be got rid of."

Signatures from members of the clubs were invited on forms of protest that lay in the pharmacies, where yet another announcement declared that the Committees "have set your health at stake."

On their side the sick-fund Boards were not idle. To meet the sudden emergency the club members were invited to deal with the seven "excluded" pharmacies with whom new contracts had been made, and with six others not yet under contract. In the latter case the patients were directed to pay and to recover the amount from their Societies on presentation of receipts. It was suggested that they should try this last-mentioned plan in the "striking" pharmacies as well. That the Boards appreciated the appeal of the poster appears in the following extracts:

"Though we have offered the pharmacists an increase in their salaries of 20 per cent., they have struck and have broken the current contracts.

They do not appear to worry about the question whether sick people will receive the medicaments they require or not.

It is on your own behalf that we oppose the attitude of the pharmacists.

If you give your co-operation the pharmaceutical service will be in complete order within a few days. Only when this is regulated can we pay attention to the pamphlets circulated by the pharmacists."

The attitude of pharmacists outside the zone of the strike varied. Some sided with the forty-three, and refused to touch the club prescriptions; others parleyed and arranged terms of surrender. In the end the public aspect of the affair was apprehended by those in power; both the municipal authority and the Minister of the Home Department found time to spare from quelling potato-riots to intervene with counsels of moderation. As often happens, neither side gained all that it first asked. The club Committees offered better rates of payment to the pharmacists; these, in their turn, waived the proposed exclusion of the seven outsiders with whom contracts had been made. It was agreed that this should not be a precedent for the admission of others without consultation and consent; and certain outstanding details were left to the labours of an arbitratory body comprising equal numbers of pharmaceutical and sick-fund representatives, together with one neutral member to be chosen by both parties. Thus on July 14 the Amsterdam pharmacists' strike ended, but one result is that there has been a great accession of members to the A.Z.A., with which sick-club more pharmacists have made contracts.

French Poison-law Regulations.

THE decree under the Poisons Law dealing with the delivery of poisons to dentists and midwives has at last been issued. In THE CHEMIST AND DRUGGIST, December 30, 1916, we referred to the main points in the new Act, but until recently the conditions under which pharmacists might deliver the scheduled poisons on the order of dentists and midwives had not been settled.

Pharmacists may deliver to the public on presentation of a dentist's signed prescription poisons in Schedule A as follows: Applications containing chloroform and tincture of aconite with the addition of tincture of iodine; preparations of laudanum for external use containing not more than 10 per cent.; poppy lotions. Schedule B: Applications containing under 3 per cent. of cocaine with the addition of either chloroform or phenol. The preparation must be coloured with saffron, and a larger quantity than 25 grams must not be prescribed.

For the dentist's own professional purposes, on a written order.—Schedule A: Powdered arsenious acid; adrenalin powder (10 per cent., military hospital formula); adrenalin ampoules (1 per mille); tincture of aconite with tincture of iodine; chloroform; mercury-perchloride tablets or packets (Codex formula); mercury perchloride 1-per-cent. alcoholic solution, uncoloured; mercury cyanide in packets or tablets made as follows:

| | | | |
|-----------------|-----|-----|-------|
| Mercury cyanide | ... | ... | 1.0 |
| Sodium borate | ... | ... | 1.0 |
| Fluoresceine | ... | ... | 0.005 |

tincture of cantharides (10 per cent.); laudanum; poppies; acid nitrate of mercury; stovaine solutions (1 to 5 per cent.), with or without adrenalin. Schedule B: Cocaine hydrochloride mixed with 5 per cent. of animal charcoal; cocaine-hydrochloride solutions (1 or 2 per cent.) in ampoules, with or without adrenalin; cocaine in oily solution (1 to 5 per cent.); morphine hydrochloride mixed with 5 per cent. Guignet green; morphine-hydrochloride solution (1 to 5 per cent.), with or without adrenalin; the following solutions:

| Dastre's formula. | | | Langlois's formula. | | |
|----------------------|-----|-------|----------------------|-----|-------|
| Morphine hydrochlor. | ... | 0.01 | Morphine hydrochlor. | ... | 0.01 |
| Atropine sulphate... | ... | 0.005 | Sparteine sulph. | ... | 0.005 |
| Distilled water | ... | 10.00 | Distilled water | ... | 10.00 |

and arsenical pastes containing less than 8 per cent. of opium extract, cannabis-indica extract, or morphine hydrochloride.

Midwives may obtain such substances as ergot, mercury-perchloride packets, and silver-nitrate solution, the strength of these being specified in the decree.

"THE LAND QUESTION lies at the bottom of nearly all the forces which make for ill-health, whether they be rural depopulation, holding up of suburban land, continuance of slums, or insufficient housing."—Dr. W. A. Brend.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

COMPANIES (PARTICULARS AS TO DIRECTORS) ACT.

The Royal Assent was given to this measure on August 2.

PROFIT FROM BEE-CANDY.

Sir Richard Winfrey, M.P., announced in the House of Commons on August 8 that the net profit from the disposal of bee-candy made by Messrs. Pascall amounted to about 150%. It was suggested that this should be handed over to the Royal Agricultural Benevolent Society for the benefit of a beekeeper.

SULPHATE OF AMMONIA AS A FERTILISER.

The President of the Board of Agriculture stated in the House of Commons on July 26 that the demand for sulphate of ammonia had been stimulated by the regulations made in February. During the four months February to May 1917 the quantity sold for agricultural purposes was 99,875 tons, as compared with 35,128 tons in the same period of the preceding year.

THE CONSULAR SERVICE.

Although again pressed to publish the Reports of the Foreign Office Committees on the Consular Service, the Government declined, in reply to a question addressed to the Leader of the House on August 6, to depart from their former decision, the inquiries being of a confidential character. Further Committees have now been nominated by the Foreign Office relating to the appointment and organisation of the commercial attaché service.

CREOSOTE OIL.

Mr. Watt asked the President of the Board of Trade on August 6 whether he is aware that traders are being refused the use of creosote oil in their trade; and whether he will take any action to prevent traders being put out of business by his Department, in view of the fact that plenty of this oil is in the country.

Sir W. Evans replied that the demand for creosote oil for fuel has made it necessary to limit its use for other purposes.

MINISTRY OF RECONSTRUCTION.

Mr. W. S. Glyn-Jones, M.P., has been appointed Parliamentary Private Secretary to Dr. Addison, M.P., the new Minister for Reconstruction. The hon. member filled a similar position at the Ministry of Munitions. It may be recalled that the recently passed Act makes no provision for the appointment of a paid Parliamentary Secretary. For the moment the Ministry is housed in its old quarters in Dean's Yard, Westminster, but very shortly it will be transferred to new premises in Old Queen Street.

THE WORLD'S SUGAR-PRODUCTION.

Mr. Roberts, in the House of Commons on August 6, stated that the total quantity of cane-sugar produced throughout the world in the sugar season of 1911-12 may be estimated at about 9,000,000 tons, to which India contributed about 2,450,000 tons and Cuba 1,896,000 tons. The total quantity of beet-sugar produced in the same period was approximately 6,800,000 tons. In the sugar season of 1915-16 the total quantity of sugar produced may be put at about 16,500,000 tons, of which about 5,900,000 tons consisted of beet-sugar.

UNREGISTERED DENTAL PRACTITIONERS.

Mr. Yeo on August 2 asked the Home Secretary whether it is proposed to adopt the recommendations of the Departmental Committee which investigated the question of the use of cocaine by unregistered practitioners in dentistry.

Mr. Brace said he proposed to defer the carrying-out of the recommendations in question, which would involve setting up machinery for the registration of unqualified persons practising dentistry, pending the inquiry of the Committee appointed by the Lord President to consider the whole question of the position of the unregistered practitioner, including the question of his admission to a special roll. In the meantime the existing permit for the purchase by unregistered practitioners of local anaesthetics containing cocaine is continued until further order.

WESTMINSTER HALL ROOF.

During the week-end the roof of Westminster Hall was treated with an insecticide for the purpose of destroying the destructive beetle which, together with the larvae of the goat moth, has been the main reason for the thorough overhauling of the famous structure which has been in

progress for some years past. The insecticide, which was devised by Professor Maxwell Lefroy, consisted of—

| | | | |
|------------------|-----|-----|----------|
| Tetrachlorethane | ... | ... | 50 parts |
| Cedarwood oil | ... | ... | 6 parts |
| Solvent soap | ... | ... | 2 parts |
| Paraffin wax | ... | ... | 2 parts |
| Trichlorethylene | ... | ... | 40 parts |

The men who sprayed the insecticide were protected by gas-masks.

SHOP CLOSING.

Mr. G. J. Bentham, in the House of Commons on August 8, asked the Home Secretary whether his attention had been drawn to the fact that traders are under the impression that they need not close their shops at 8 p.m., provided they do not serve customers. He asked for a clear definition of what is meant by "the closing of shops."

The Home Secretary, in reply, said the expression used in the Compulsory Closing Order is "closing for the serving of customers," and is the same as that used in the Shops Act, 1912. The view taken by the Home Office has been that the expression means something more than that customers shall not be served, and that some steps must be taken—by closing the doors, putting up shutters, covering up goods, or otherwise—to make it clear that the shop is no longer open for that purpose.

THE ARMY MEDICAL SERVICE.

Major David Davies on August 2 asked the Under-Secretary of State for War whether, in view of the responsibility devolving upon the Director-General of the Army Medical Service for the health and sanitation of the British Armies, the time has arrived when this branch of the War Office should no longer form part of the Adjutant-General's Department, but should be given the status of a separate Department of the War Office, whose responsible head should be a member of the Army Council.

Mr. Macpherson replied that the Secretary of State for War considered this question some time ago, and decided that the present is not an opportune moment at which to reopen discussion on a matter of organisation of this importance, which had been decided some years ago after the fullest investigation of all the relevant arguments. With that decision, moreover, he is in the fullest agreement.

ISLE OF WIGHT BEE-DISEASE.

Mr. Perkins on August 2 asked the President of the Board of Agriculture what is the nature and composition of the drug or drugs with which the Board is experimenting as a remedy for the Isle of Wight bee-disease; whether the drugs are a so-called secret remedy; whether he has any objection to disclosing their chemical composition for the benefit of those beekeepers who are also engaged on the same investigation; and whether he will consider the desirability of issuing a new pamphlet on the Isle of Wight bee-disease in order to bring the latest information to the notice of the public.

Sir R. Winfrey replied that the report on the experiments on the Isle of Wight bee-disease which are being conducted on behalf of the Board has not yet been received. As the Board are not in a position to recommend or discourage the use of the drugs that have been employed in the experiments, no useful purpose would be served by putting forth their names at this stage. They are, however, in no sense secret remedies. The Board would be glad to be put into communication with any beekeepers who are also investigating the disease, and will be glad to give them all possible assistance.

Business Changes.

MR. W. B. COOLEY, chemist and druggist, 5 Dudley Street, Wolverhampton, is disposing of his stock by auction.

MR. T. W. AGAR, chemist and druggist, has taken over the business of the late Mr. W. S. Ranson at 177 Newland Avenue, Hull.

MR. HEDLEY E. DWELLY, Ph.C., of Harlesden, has purchased the business of Mr. Wm. B. Green at 33 Park Street, Chatteris, Cambs.

MR. JONAH MILNER has closed his branch establishment at the corner of Secrift Road and Woolwich Road, London, S.E., owing to shortage of labour.

THE PARTNERSHIP existing between Mr. C. E. Stephens and Mr. T. J. Morgan (Stephens & Morgan), merchants, 2 Bury Court, St. Mary Axe, London, E.C. 3, has been dissolved by effluxion of time. Mr. C. E. Stephens, the senior partner, who will continue the business, has admitted his brother, Mr. Samuel Stephens, into partnership, and the style of the firm will be Stephens Brothers & Co.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

London.—The annual report of the Pharmaceutical Committee states that a final settlement of the 1915 accounts has been made, the total payment amounting to 91.3 per cent. of each account. For 1916 advances have been made at the rate of 5*d.* per script. The average value for the year is 6.37*d.* (compared with 7.87*d.* in 1915), and the average cost per prescription 5.34*d.* The work of the Central Checking Bureau shows that, on the whole, the pricing has been kept up to a high standard of efficiency, the dispensing-fees proving the most fruitful source of error. With reference to the substitution of mist. trag. chlorof. for glycerin and syrup in the L.I.P. preparations, the report notes that in the case of the three mixtures containing solution of perchloride of iron—viz., mist. ferri perchlor., mist. ferri et strychn., and mist. pot. chlor. et ferri—an equivalent volume of double-strength chloroform-water only should be used to replace the glycerin or syrup ordered. An addendum to the report, signed by the Chairman and Vice-Chairman, expresses warm appreciation of the work of the Secretary (Mr. G. A. Tocher).

Manchester.—The annual report of the Pharmaceutical Committee for 1916-17 has just been issued in book form, and contains a good account of the work done in safeguarding and protecting the interests of panel pharmacists. The resignation of Mr. Harry Kemp through ill-health and the appointment of his successor, and the work of Mr. J. H. Nidd on the Insurance Committee, are referred to. A list of the members' attendances on the Pharmaceutical Committee and the General Purposes Subcommittee is also given.—A meeting of panel pharmacists was held at the Manchester Pharmaceutical Association rooms on August 1, Mr. Joseph Bell in the chair. The President in his introductory remarks dwelt on the necessity for calling the meeting, and outlined the contents of the circular on the Tariff proposals for 1918, which would be put before the meeting. Mr. F. W. Bates, J.P., as Chairman of the Pharmaceutical Committee, explained the proposals of the Executive Committee regarding the conditions for Insurance dispensing for 1918. Mr. A. Hershberg (Secretary) read the private and confidential report and cleared up misunderstandings on several matters. After some discussion, in which several members took part, Mr. F. W. Bates proposed a resolution, which was seconded by Mr. Collins and carried unanimously, to the effect that members had implicit confidence in the representatives appointed to meet the Executive Council at the forthcoming meeting in their endeavour to obtain more satisfactory terms for Insurance work in 1918.

Smethwick.—At the meeting of the Insurance Committee on July 31, the Medical Benefit Subcommittee reported that the Panel Committee wished chemists' dispensing-hours to be extended, as practitioners cannot deal with all their panel patients in time for the latter to obtain their medicine under existing conditions. The Finance Subcommittee recommended support of the resolutions of the National Association of Insurance Committees in favour of the formation of a Ministry of Health. The Commissioners have made a grant of 45*l.* per annum towards the cost of pricing and analysis of scripts for 1916 and 1917. It is estimated that the cost to the Committee for the current year's checking, etc., will not exceed 10*l.* So far as can be gathered, the Committee will not need a grant from the Commissioners for administrative expenses for 1917. Payments have been made to chemists (£ 141*l.* 16*s.* 4*d.* on account of June, and of 132*l.* 1*s.* 4*d.* for July).

Southport.—The annual meeting of the Insurance Committee took place on July 31, when Mr. J. Gordon was re-elected Chairman, and Mr. D. Richards was elected Vice-Chairman. On the election of the Medical Benefit Subcommittee Mr. J. Priestley suggested that both representatives of the chemists should be placed on that Subcommittee. This the meeting approved of, and elected Mr. J. Righton as well as Mr. F. Battersby on the Committee. On the recommendation of the Sanatorium Subcommittee the following resolution, submitted by the Huddersfield Insurance Committee, was adopted: "That the Committee, in view of their experience in the treatment of tuberculous soldiers referred to them under the arrangements detailed in Circular 55 I.C., and the number of cases that have refused the treatment recommended, suggest to the Insurance Commission that the Orders of the Army Council should be

so amended as to permit soldiers suffering from tuberculosis being retained under military discipline and control while in receipt of sanatorium treatment granted by an Insurance Committee."

Warwickshire.—The Pharmaceutical Committee met on July 18, and, after discussing the Tariff proposals for 1918, resolved to support the Local Associations Executive in their efforts towards improvement of the Tariff. It was decided to call a meeting of panel chemists for July 26. The Panel Committee had acknowledged favourably the offer of the Committee to arrange for the private dispensing for medical men, and a copy of the Clerk's letter had been sent to each doctor on the panel. The Clerk was instructed to communicate with the Panel and Insurance Committees in regard to methylated liniments on the lines indicated in P.S. 38.—The meeting of panel chemists was held at Leamington on July 26, and resulted in a unanimous decision to support the Local Associations Executive's proposals and the appointment of delegates to attend the Birmingham meeting.

WALES.

Merthyr Tydfil.—The annual report of the Clerk states that the average number of insured residents in the area for the medical year was 27,399. The number of prescriptions dispensed was 62,320, at a total cost of 1,563*l.* 5*s.* 1*d.* and an average cost of 6.02*d.* During 1916 the Committee distributed 249*l.* 17*s.* among chemists in respect of the final settlement for 1915. The Committee has not joined in the Cardiff checking and pricing scheme, but is satisfied that the system now in use in the area has met with complete success.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," July 13, 1917.)

- "PETRONAMEL"; for all goods (1). By H. M. Hobson, Ltd., 29 Vauxhall Bridge Road, S.W. 1. 373,450.
- Device of black circle bearing three white circles; for chemicals (2) and (3), and for goods (47). By Tyson & Co., Ltd., 6 Blackstock Street, Liverpool. 378,280/81/82.
- "KILN BRAND," under picture of brick-kiln; for agricultural spraying-mixture (2). By Keeling & Walker, Ltd., Sutherland Street, Stoke-on-Trent. 378,681.
- "CEFCO"; for all goods (2) and (47). By C. Fowler & Co., Ltd., 22 Barry Street, Sunbridge Road, Bradford. 378,544/5.
- "MARU"; for perfumery, etc. (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, W. 1. 377,981.
- "DENFENA," "UDENT," "FRISCENE," and "ZANDENT"; for tooth-paste (48). By Hough, Hoseason & Co., Ltd., 51 Holland Street, Pendleton, Manchester. 378,352/3/4/6.
- "PIREME"; for teeth-preparations (48). By E. Shrubsole, 152 Harley Street, W. 1. 378,401.

(From "The Trade-marks Journal," July 25, 1917.)

- "GOLCAC"; for a chemical substance (1). By American Gum Products Co., 200 Fifth Avenue, New York, U.S.A. 375,705.
- "CARBOLINEUM HEVEAUY," with monogram H. & C., Ltd. ("Carbolineum Heveaum" disclaimed); for wood preservatives (1). By Harrisons & Crosfield, Ltd., 1-4 Great Tower Street, E.C. 3. 378,715.
- "GOLDEN TREASURE"; for chemicals (2). By Liverpool Borax Co., Ltd., Borax Street, Liverpool. 378,646.
- "BLUE BIRD"; for scientific instruments, etc. (8). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 377,498.
- Device of foot and hand; for foot arch supports (11). By The Scholl Manufacturing Co., Ltd., 1-4 Giltspur Street, E.C. 375,288. (Associated.)
- "LYRIC"; for perfumery, etc. (48). By R. Dixon & Co., Ltd., Canal Street, Rochdale. 377,201.
- "COMME A VINGT ANS"; for perfumery, etc. (48). By The Standard Tablet Co., Ltd., Hove. 377,955.
- "KOTAIKO"; for toilet-preparations (48). By J. H. Brittain, Ltd., 2 Percy Street, Tottenham Court Road, W. 1. 378,427.
- "AMIR" for all goods (48). By Henriette Leclère and Berthe Marchal, 1 Bloomsbury Court, High Holborn, W.C. 1. 378,483.

(From "The Trade-marks Journal," August 1, 1917.)

- Device of lady in landscape; for all goods (1, 3, and 4). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle. 377,852/3/4.
- "KENSOL"; for disinfectants (2). By F. Kendall & Son, Ltd., Birmingham Road, Stratford-on-Avon. 378,174.
- "KESTREL"; for veterinary preparations (2). By S. Gray, Downhill, Londonderry. 378,208.
- "VEGETABLE SALTS VEGASAL BRAND" on label; for vegetable salts (3). By M. Summers, 52 New Broad Street, E.C. 2. 378,406.
- "KAULT"; for stain-removing preparations, etc. (47). By Capsol Dye Co., 3 Upper Talbot Street, Blackpool. 378,562.
- "ARYAN"; for all goods (47 and 48). By Gerard Bros., Ltd., N. Gauntley Street, New Basford, Nottingham. 378,685/6. (Associated.)
- "KENROSA"; for toilet-preparations (48). By E. W. Keen and C. Rose, 15 Bridge Lane, London, W. 1.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, August 9, 5.30 p.m.

THE week having been a Bank-holiday one, advantage has been taken to extend it in many directions, and a poor attendance has characterised the markets generally, especially in Mincing Lane, where there is little incentive to operate for the time being. Menthol is about the only feature of the week, with fair consumptive spot buying at a substantial advance; oil of Japanese mint is firmer in sympathy. Balsam tolu and Peru are both firm. Sumatra benzoin remains scarce, with an absence of the lower qualities. Cascara sagrada is well maintained; cream of tartar is badly wanted, but is only obtainable in limited quantity. Salicylates and salol remain firm. Morphine hydrochlor. is unchanged, but several of the minor salts have advanced 5s. per oz. Opium is still scarce, with Persian firmer. Shellac and turpentine are dearer.

| Higher | Firmer | Lower |
|------------------|---------------------|------------------|
| Arsenic | Cloves | Benzoates (N.Y.) |
| Menthol | Gentian | Codeine (N.Y.) |
| Morphine diethyl | Mint oil (Japanese) | Menthol (N.Y.) |
| hydrochlor. | Opium (Persian) | |
| Morphine ethyl | Sarsaparilla | |
| hydrochlor. | (Mexican) | |
| Saccharin | | |
| Shellac | | |
| Turpentine | | |

Cablegram.

NEW YORK, August 9.—Business is quiet. Menthol is 5c. lower at \$2.80. Mexican sarsaparilla has advanced to 26c. and balsam Peru to \$4.25. Codeine alkaloid is lower at \$12.50 per oz., and the sulphate at \$10.00 per oz. Saccharin has advanced to \$46.00 per lb. Benzoates are easier, acid and soda offering at \$5.60 per lb.

BALSAM PERU.—Genuine quality is firm at 18s. 6d. per lb. net on the spot.

BALSAM TOLU is firm, with sellers of good at 2s. 4d. per lb. net on spot.

BENZONIN.—A fair quantity of Sumatra has been disposed of since the last auction. The cheaper qualities are unobtainable, and practically no gum is to be had below 8l. to 8l. 10s. per cwt.

CAFFEINE.—Makers endeavour to supply the pure crystals for the home trade at 40s. per lb. net, the quotation being nominal.

CANARY-SEED is firm at 85s. to 88s. per quarter for ordinary to good Morocco.

CASCARA SAGRADA is firm at from 105s. to 110s. per cwt. on the spot, according to quantity and seller; there is a small trade demand.

CAMPHOR (REFINED).—English bells are firm at 3s. 6d. and flowers at 3s. 5d. net, with makers able to offer; tablets, however, are difficult to obtain.

New York reports heavy arrivals of Japanese, and the market has declined to 75c. for 2½-lb. slabs, with tablets offering at 80c.

The exports from Japan during May were 312,337 kin, valued at 536,956 yen. During the five months ended May 31 the exports were as follows:

| | 1915 | 1916 | 1917 |
|---------|-----------|-----------|-----------|
| Kin ... | 1,519,135 | 2,293,160 | 1,355,178 |
| Yen ... | 1,362,392 | 2,158,348 | 2,180,077 |

The destinations were as follows:

| | 1915 Kin | 1916 Kin | 1917 Kin |
|---------------------|-------------|-------------|-------------|
| British India ... | 541,019 | 657,066 | 259,324 |
| Asiatic Russia ... | 86,922 | 173,351 | — |
| Great Britain ... | 215,228 | 607,157 | 46,463 |
| France ... | 293,630 | 180,528 | 45 |
| United States ... | 221,969 | 572,946 | 979,774 |
| Australia ... | 89,488 | 27,085 | 8,238 |
| Other countries ... | 70,879 | 74,987 | 61,334 |
| | 1,519,135 | 2,293,160 | 1,355,178 |

CITRIC ACID is unaltered at 3s. 4d. per lb. on the spot.

CLOVES are firmer, with buyers of fair Zanzibar on the spot at 1s. 3d., sellers asking 1s. 3½d.; delivery prices are nominal.

COD-LIVER OIL.—Our Bergen correspondent writes on July 27 that there is no business reported and no quotation is available.

CORIANDER-SEED is steady at 67s. 6d. per cwt. for Morocco on the spot. The quotation for shipment is 55s. to 57s. 6d. c.i.f. terms. East Indian on the spot is offering at 60s., but is slow of sale.

CREAM OF TARTAR continues extremely scarce, and the small supplies landing are quite insufficient to meet the demand; prices are 255s. for 98-per-cent. and 257s. 6d. for 99 to 100 per cent. powder.

CUMIN-SEED is steady at 67s. 6d. per cwt. for fair sifted Morocco.

DILL-SEED is offering at 50s. to 55s. per cwt., according to quality.

EPSON SALT.—Druggists' quality is still in short supply, the Government having first call on the output. Second-hands quote B.P. at about 24s. per cwt.

FENNEL-SEED is quoted 50s. per cwt. for fair East Indian.

FENUGREEK-SEED.—Holders of Morocco are asking 40s. per cwt.

GALLÉ.—Chinese on the spot offer at 125s., and to arrive at 115s. c.i.f.

GELATIN.—A limited quantity of silver leaf is offered at 3s. 7d. per lb.

HONEY.—Prices are steady, with good stocks available on the spot, fine bright amber liquid Jamaica offering at 79s., pale set Cuban at 82s. 6d. down to 70s. for dull.

IPECACUANHA is steady at from 9s. 11d. to 10s., and Cartagena at 9s. 9d. per lb.

LEMON-JUICE.—There appears to be no raw Sicilian available on spot, and the price is nominal.

LEMON-OIL.—With a continued slow sale, spot sellers offer at 4s. to 4s. 1d. per lb. for good quality, and to arrive from 4s. 3d. to 4s. 6d. c.i.f. is quoted.

MENTHOL.—The spot price shows an aggregate advance of 1s. per lb., sales during the week having been made at from 11s. to 12s. for Kobayashi-Suzuki, principally to consumers. No firm "c.i.f." offers appear to be available on account of freight uncertainty. The exports from Japan during May amounted to 33,030 kin, valued at 197,488 yen, and for the five months ended May they were as follows:

| | 1915 Kin | 1916 Kin | 1917 Kin |
|---------|-------------|-------------|-------------|
| Kin ... | 183,090 | 203,865 | 123,226 |
| Yen ... | 1,012,040 | 1,313,810 | 800,607 |

The destinations were as follows:

| | 1915 Kin | 1916 Kin | 1917 Kin |
|---------------------|-------------|-------------|-------------|
| British India ... | 13,150 | 6,572 | 4,424 |
| Great Britain ... | 43,631 | 90,837 | 16,110 |
| France ... | 31,532 | 38,220 | 1,361 |
| United States ... | 76,283 | 59,131 | 95,244 |
| Other countries ... | 18,494 | 9,105 | 6,087 |
| Kin ... | 183,090 | 203,865 | 123,226 |

METHYL SALICYLATE on the spot is offered at 5s. 3d. per lb.

MINT OIL.—Japanese dementholised is rather firmer at from 3s. 3d. to 3s. 6d. per lb. on the spot for Kobayashi-Suzuki, with no "c.i.f." offers available owing to the difficulty of effecting shipment. The exports from Japan during May amounted to 5,660 kin, valued at 10,476 yen. During the five months ended May 31 the exports were as follows:

| | 1915 Kin | 1916 Kin | 1917 Kin |
|---------|-------------|-------------|-------------|
| Kin ... | 205,139 | 198,540 | 71,766 |
| Yen ... | 409,722 | 457,670 | 157,013 |

MORPHINE SALTS.—The makers continue to supply the home trade wants at 13s. 6d. per oz. net for hydrochloride-powder. An advance of 5s. per oz. is announced in diacetyl hydrochlor. and ethyl hydrochlor., which makes the quotations 30s. and 31s. per oz. net respectively.

OPIMUM.—Stocks of Turkey druggists' opium are now exhausted on spot. There are buyers of Persian at from 45s.

to 46s. per lb., but with small supplies sellers ask 47s. 6d. on the spot. The authorities still prohibit regular importers bringing into this country any Turkish or Serbian opium, and have themselves failed to provide supplies. The position is therefore acute, and will be increasingly so later in the year.

PEPPER is steady and unchanged, with fair Singapore black offering at 10½d. and Tellicherry at 11½d.; Singapore white is 1s. 0½d. and Muntok 1s. 0½d. per lb.

POTASH IODIDE.—The exports from Japan during May amounted to 12,874 kin, valued at 80,602 yen. During the five months ended May 31 the exports were as follows:

| | 1915 | 1916 | 1917 |
|------------|---------|---------|---------|
| Kin | 71,566 | 77,100 | 58,472 |
| Yen | 535,096 | 574,163 | 367,167 |

Of crude iodine the exports in May were 2,184 kin, valued at 18,459 yen, and during the five months ended May they were:

| | 1915 | 1916 | 1917 |
|------------|-------|------|--------|
| Kin | 1,185 | 150 | 11,521 |
| Yen | 8,810 | 722 | 98,640 |

POTASH PRUSSATE.—Yellow on the spot is offered at 3s. 3d. per lb.; for red prussiate 13s. is asked and 12s. c.i.f. for prompt shipment.

QUININE.—According to the London drug statistics, the landings in July were *nil*, while the deliveries were 155,100 oz., leaving a stock on July 31 of 395,400 oz., against 1,314,500 oz. in July 1916, and 2,181,000 oz. in July 1915.

SACCHARIN.—Small arrivals are taking place from the U.S.A., but spot prices are maintained, up to 375s. having been paid for 550; September-October shipment is offered at 290s. to 295s. duty-paid.

SALICYLATES remain firm, but spot quotations are irregular at from 7s. 6d. per lb. upwards, while for October shipment from the U.S.A. 6s. per lb. ex wharf U.K. port is quoted. Sodium salicylate is 9s. to 9s. 3d. spot.

SALOL is firm at 10s. 6d. per lb. on the spot.

SANDALWOOD OIL is firm, English distillers from E.I. wood quoting 53s. per lb. A note with reference to Western Australian oil is published on p. 50.

SARSAPARILLA.—Mexican is now quoted at 1s. 6d. on the spot, at which sales have been made. Six bales of native Jamaica have arrived.

SENEGA.—Spot remains firm at 3s. 7d. net, and to arrive 3s. 2d. c.i.f. any port in the U.K. is quoted.

SENNA.—Since the auction an improved demand for Tinnevely has been shown at slightly better prices. Fairly bold green leaf is offered at 7½d. down to 4d. for ordinary. Finest new Alexandrian pods offer at 3s. 9d., leaf at 1s. 6d., and siftings at 9d. per lb.

SHELLAC.—With an improved demand, spot prices have advanced about 6s. per cwt., usual standard TN Orange quality having sold up to 227s. and fine up to 285s.; blocky AC Garnet is quoted at 230s. Futures are also dearer, the sales including August at 225s. to 229s. and October 226s. 6d. to 230s.

STRYCHNINE remains firm and unaltered, but makers intimate that the scarcity of nux vomica is likely to affect the future of the product. B.P. crystals are quoted at 3s. 11d. per oz. net, and sulphate at 3s. 8d.

SULPHUR is easier for roll, best Sicilian in barrels offering at 23s. per cwt. ex wharf Liverpool.

TARTARIC ACID is unaltered at 3s. per lb. for spot supplies.

TURPENTINE was an active market on Wednesday, prices advancing 9d. per cwt. to 56s. 3d. for American on the spot.

American Chemical and Drug Markets.

The following notes give a few of the market price-movements up to July 23; BENZONAPHTHOL is easier at \$8.50 per lb. SALVARSA was offered at \$8.00, and new salvarsan at \$10.50 to \$11.00. SALOL was advanced to \$1.90 to \$1.95 per lb., spot stocks being reduced. BENZOATES were reported easier, with offers of soda down to \$3.50 per lb. spot, and benzoic acid down to \$3.50. VANILLIN.—Manufacturers have raised their asking quotations to the extent of 5c. per lb. to 63c., 65c., and 67c. GOLDEN SEAL.—Offers have been made as low as \$5.35 per lb., though spot goods were held at \$5.50. QUICKSILVER.—Agents announced an advance of \$10.00 per flask, in consequence of increased buying. BROMIDES.—The manufacturers' revision for bromides included ammonium 65c. for bulk and 66c. for less, being a decline of 15c.; potash crystals in 100 lb., \$1.35 and less \$1.36 for granular, and \$1.50 for the crystals; sodium in 50-lb. lots 45c. and less 46c., being unchanged; strontium in 50-lb. lots 65c., and less 66c., or a decline of 5c. The ammonium and sodium kinds may be assorted to make up 50-lb. quantities. Makers cannot book contracts on account of the position of potash. GALIC ACID advanced 10c. to a basis of \$1.50 to \$1.55; tannic has advanced 5c. to \$1.35 for U.S.P.

CHLORAL HYDRATE has been in heavy export demand at \$1.40 to \$1.50 per lb. WITCH HAZEL EXT. is very firm on the basis of 70c. per gal. CLOVE OIL has advanced to \$2.20 to \$2.40 per lb. CITRIC ACID is easier, spot goods offering at 68c. per lb. SALICYLIC ACID.—Dealers offer salicylic acid at \$1.25 for prompt delivery. ACETANILIDE.—Second-hands quote 54c. per lb.

Civet.

The U.S. Consul at Aden, in the course of a report on Abyssinian civet, states that in normal years the average annual exports of civet from Aden are valued at \$45,000, but since the war began the amount has been smaller. In 1914 the exports to the United States were approximately 3½ per cent. of the total amount handled in Aden, and in 1916 were approximately 60 per cent. of the total, with a value of \$21,238. France formerly bought the bulk of the civet at Aden, besides taking considerable quantities from Jibuti, in French Somaliland. Practically all the exports from Aden go to the United States, France, the United Kingdom, and Egypt. As far as can be learned, all of the civet entering into the commerce of Aden comes from the highlands of Abyssinia, where the keeping of civet cats is a recognised and established industry. Most of the commodity comes out through Jibuti, although a small quantity is received by way of British Somaliland ports. Some of it is exported direct from Jibuti, but larger quantities come to Aden for export to Europe and America. The civet cat thrives in the northern part of Abyssinia, particularly in the districts of Shankalla and Malaga, where the climate is comparatively cool.

Arrivals of Chemicals, Drugs, etc.

The following are among the arrivals at the ports of London and Liverpool:

| To London | | |
|------------------------------------|----------------------------|-----------------------|
| (July 28 to Aug. 3). | | |
| Aloes, 75 cs. | cs. 126 pps. 20 puns. | indigo; June 15, |
| Amidopyrin, 1 cs. | 32 cks.; fish, 3,932 | 1,188l. fusel oil; |
| Ammon. phosph., 172 | cs. 55 dms.; rape- | Apl. 28, 73 bls. cin- |
| cks. | seed, 950 cs.; shark, | chona; June 16, 136 |
| Anise, star, 50 cs. | 2,550 cs.; soya, 400 | kgs. tartaric acid; |
| Argol, 1,148 bgs. | cs.; wood, 1,264l. | June 14, 20 tons |
| Arsenic, 820 cwt. | Oils, essential, 106 cs. | crude antimony. |
| Baking-powder, 600 cs. | 4 dms.; camphor, | |
| Balsam peru, 6 cs. | 185l.; pine, 164l. | |
| Bayberries, 120 brls. | synthetic, 5 cs. | |
| Bayberry-leaves, 2 bls. | Ointment, 191l. | |
| Benzaldehyde, 2 cs. | Orange-peel, 10 cs. | |
| Benzolic acid, 52 kgs. | Papain, 4 cs. | |
| Betanaphthol, 1 kg. | Pepsin, etc., 13 pkgs. | |
| Boric acid, 90 brls. | Perfumery, unrated, | |
| Bromides: potash, 48 | 422l.; water, 32l. | |
| cks.; soda, 12 cwt. | toilet-powder, 8l. | |
| Calcium cit., 178 cks. | Phenolphthalein, 1 cs. | |
| Cantharides, 8 cs. | Potash chlorate, 200 cs. | |
| Carbon black, 25 cs. | Quinine, 12,000 oz. | |
| Casein, 3,955l. | Rhubarb, 27 cs. | |
| Cerium nitrate, 34l. | Rosin, 215 cks. | |
| Charcoal, 510l. | Salol, 10 kgs. | |
| Chemical prod., unrated, 3 kgs. | Sarsaparilla, 79 bls. | |
| Chlorophyll, 15 pkgs. | Sassaparilla-bark, 14 bgs. | |
| Citric acid, 40 kgs. | Scammony-root, 299 | |
| Coca-leaves, 23 bls. | bgs. | |
| Cubebs, 20 bgs. | Seeds (bgs.): annatto, | |
| Deer-tongue leaves, 3 | 18; canary, 1,767; | |
| bls. | cotton, 541 tons, 2,045 | |
| Dental goods, 916l. | bgs.; dill, 100; lin, | |
| Dimethylsulphate, 1 | 4,147; mustard, 509; | |
| dm. 1 pkg. | rape, 4,147 | |
| Drugs and herbs, various, 51 pkgs. | Senna, 140 bls. | |
| Dyestuffs: logwood, 5 | Soda cacodylate, 10 cs. | |
| tons; sumach, 2,706 | Soda salicylate, 2 cwt. | |
| bgs.; tanners' bark, | Starches (cwt.) 188; | |
| 250 tons | dextrin, 1,190; farina, | |
| Galangal, 50 bls. | 2,720; maize, 1,786; | |
| Galls, 1,130l. | potato flour, 7,853; | |
| Gentian, 55 bls. | rice, 200 | |
| Gums (cwt.): acacia, | Stearine, 150 bgs. | |
| 126; ammoniacum, | Strontium, 5 cs. | |
| 11; damar, 34; oil- | Sulphonal, 1 cs. | |
| banum, 283 | Talc, 340l. | |
| Heliotropin, 2 cs. | Tallow, unref., 6,983 | |
| Hexamine, 1 kg. | cwt. | |
| Ipecacuanha, 3 cs. | Tannic acid, 37 brls. | |
| Juniper-berr., 47 bgs. | Tartaric acid, 120 cwt. | |
| Kola, 3 cwt. | Thorium nit. 5,029l. | |
| Lead acetate, 86 brls. | Turmeric, 178 bgs. | |
| Lobelia, 12 bls. | Urodonal, 4 cs. | |
| Loofahs, 220l. | Vanilla, 7 cs. | |
| Lycopodium, 75 bgs. | Vergidrigs, 12 cks. | |
| Manna, 2 cs. | Viterol, 1 cs. | |
| Mineral white, 400l. | Wahoo-bark, 3 bgs. | |
| Musk, 1,850l. | Wax, undescribed, 176 | |
| Nuts and kernels (cwt.): | bls. 5 pkgs. 7 bgs. | |
| arachis, 43,760; | Wax, paraffin, 2,802 | |
| copra, 8,248 | cwt. | |
| Oils, fixed: arachis, | Witch-hazel leaves, 14 | |
| 4,195 cs. 295 brls.; | bls. | |
| cocount, unref., 10,687 | Wool-fat, 400l. | |
| | Zinc oxide, 2,550 brls. | |
| | Cancelled entries: Apl. | |
| | 19, 317-brls, acetic | |
| | acid; May 18, 86 chts. | |



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Sandalwood Oils.

SIR,—In view of the high price of sandalwood oil I think it necessary to draw the attention of your readers to the fact that the so-called sandalwood oils of West Indian or Western Australian origin now being offered on the market are not sandalwood oil at all in the sense of the British or any other Pharmacopœia. I have in front of me at the moment a quotation for Western Australian sandalwood oil which is stated to contain approximately 80 per cent. of santalol, and to the quotation the following remark is added: "Another sesquiterpene alcohol is contained in this oil which compensates for slight deficiency in santalol." I would like to point out that although it is customary to return the acetylisable constituents in this class of oils under the general name santalol, there is no evidence that the alcohols in Western Australian sandalwood oil are, in fact, santalol, and therefore the figure returned as santalol in reality only means the acetylisable constituents. I would also strongly emphasise the fact that anybody selling either West Indian or Western Australian sandalwood oil, either as such or in capsules, as sandalwood oil renders himself liable to prosecution under Section 6 of the Sale of Food and Drugs Act. The only sandalwood oil which can properly be sold as such is the product which is official in the British Pharmacopœia, and which is distilled from the *Santalum album*. Other varieties of sandalwood oil can, of course, be legitimately used in perfumery if the odour is approved by the individual perfumer, but in regard to the medicinal sandalwood oil they are only to be looked upon as substitutes which in plain English may be called adulterants.

Yours faithfully,

ERNEST J. PARRY.

56A Great Dover Street, London, S.E.

After-war Reconstruction.

SIR,—The one thing in particular that this war has taught us is that our prosperity as a nation during the past fifty years had blunted our commercial foresight. We waxed fat and took no heed concerning the future. This has been brought home to us in a thousand ways during the past three years, but the bitter struggle through which we are now passing has sharpened our wits and will revive, I hope, some of the old adventurous spirit that made England the first commercial nation of the world. I welcome heartily, therefore, your leader in this week's issue, "Doing without Germany," for it should act as a spur to British manufacturers of pharmaceutical products. Much has been done, but much more remains to be done. The times are abnormal and the difficulties great, but the greater the difficulty the greater the triumph. There are, surely, men of vision and imagination in British pharmacy to-day who realise the immense opportunities open to them to secure not only their own country, but also the other free countries of the world, against the Teutonic commercial dominance of the pre-war epoch. British manufacturers and merchants can, if they put their minds to it, and if they work on scientific lines, not only oust Germany from the regions she had "peacefully penetrated" (that is already accomplished to a great extent), but prevent her ever again securing a trade monopoly in chemical and pharmaceutical products in any country. Germany has cynically shown the world that she does not believe in the ordinary ethical principles that govern human affairs in civilised nations. Therefore a practical lesson should be taught her, and one of the peace conditions should be that one or two millions of Germans should be told off to restore and to rebuild the Belgian and French cities and towns that they have devastated to something at least approaching their former commercial status. At the Queen's Hall on Saturday last the Premier said Germany would first have to learn the word "restoration" before peace could be discussed. I would go further and insist that not only restoration of invaded territory, but reconstruction of wantonly destroyed commercial centres in Ally countries, should be the minimum, and that this should be accomplished before any Ally country consented to trade with the Central Powers. It has been abundantly proved that we can do without Germany, but that she cannot do without her export trade. Let us see to it, therefore, that in the meantime our preparations for

keeping ourselves and our Allies independent of German pharmaceutical chemicals are carried out scientifically. Haphazard methods must go, and the spectacle (after three years of war) of a dozen British firms making salicylic acid and sodium salicylate, and not a single one making phenacetin, should be impossible. A frank and free interchange of manufacturing ideas and materials and a closer co-ordination of the chemical industries are imperatives of the immediate present. We know that our great chemical manufacturers and manufacturing chemists have the brains and the resources at their disposal, and we look to them for salvation.

London,

Yours faithfully,

CHRISTOPHER COURTENAY.

Is the Society Always Right?

SIR,—Even the most loyal members of the Pharmaceutical Society may be forgiven for wondering whether that body has been serving the best interests of pharmacists of late, or even serving their interests at all. First, there was the muddle of National Health Insurance remuneration, giving the pharmacist (at most) twelve pence in exchange for a shilling. Some relief is being spoken of from this outrageous position, and if we receive the suggested extra penny per prescription we shall (I suppose) be expected to admit, with hearts overflowing with gratitude, that all is for the best with the best of all possible Societies. The irony and the humour of it all! And now comes the Venereal Disease Act, without a word about compensation for the pharmacist. I hope to read in your columns—it is hardly to be expected that we shall read elsewhere—of the experiences of pharmacists who have the misfortune to be in practice in those areas in which the Act is to be put into operation. Let us hope that the tale of their losses will not, at least, be lost upon pharmacy. Nobody desires, by thought, word, or deed, to put the slightest check upon so desirable a process as the eradication of venereal disease, and, if necessary, pharmacists will gladly acquiesce in any sacrifices which are necessary to that end. But great sacrifices are not at all necessary. The smallest *quid pro quo* which the Society should have insisted upon as the price of participation in the scheme of amelioration is the total and final separation of dispensing and prescribing. The Act wears every character of partisan legislation, and as a set-off against so flagrant, not to say impudent, a playing into the hands of the doctors, a dispensing monopoly should have been vouchsafed to pharmacists. Nothing but good could come of such a plan—good to the community first of all, and good equally to the medical and pharmaceutical professions. Has the Society acted as every pharmacist, or at least every member, has the right to expect her to act? There is a growing suspicion that such is not the case. Nay, it has even seemed as if, in being the connecting link between pharmacy and the State, the "Square" has been acting not on behalf of pharmacy, but on behalf of the Government, as if she were the Government's nominee. A more striking satire upon the Society's function could not well be imagined. Nothing could possibly be clearer than that the Society's constitution needs radical revision, and if the key of the reform is territorial representation, by all means let us set about getting it at once. The Society's officers are placed in positions where docility to the Government may lead to Government recognition, but we must see to it that our officers do the best for us first, last, and all the time.—Yours faithfully,

VIGIL. (97/10.)

British-made Analytical Chemicals.

SIR,—As one of those who appreciate the importance of being free from German domination, I should like to tell you how much we Australians admire the efforts of English houses to produce chemicals which were formerly only to be had from Germany. I am particularly interested in the analytical chemicals which are being made by several firms. Before I came to this country to do my bit I had considerable experience of the new sources of supply of these chemicals, and I should like to offer a suggestion to the makers which I hope will not be resented. This is that chemically pure products require packing in a manner to indicate that they are of special purity. One house sends these out as if they were the ordinary products of the wholesale druggist, in common blue corked bottles with written slip labels. This is not the way to impress analysts that the chemicals are of special purity. One cannot associate extra care in the preparation of chemicals with very ordinary methods of packing. The prices charged are such as allow of special care in packing and the use of stoppered amber bottles and clearly printed labels giving information as to the standard of purity that has been adopted. Decent packing is some indication that care has been taken not to contaminate the contents.—Yours truly,

DOWN UNDER. (31/10.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Curling Horse-hair.

A Basutoland chemist (90/46) who has to convey his drugs from the rail-head by pack-horses is in a difficulty in regard to the stuffing of the pack-saddles. He can get plenty of horse-hair from the natives, but unless the hair is curled it does not answer as a filling for pack-saddles. The problem is, What is the best way to curl horse-hair?

Chemists as Potato-sprayers.

K. B. (96/53) writes from Lincolnshire: "I thought it might interest you to know that I have been a public potato-sprayer for many years—i.e., send my men with horse-drawn dry sprayers all over this great potato-growing district, and supply the fungicide—30-per-cent. copper oxide. I have put on over 20 tons this season on more than 2,500 acres."

Push Proprietaries.

Panel Chemist (96/36), referring to recent remarks by "Xrayser II." on the sale of proprietary articles, writes: "As one who has had a good insight on panel doctors and their ways, and having controlled one of the best provincial dispensing houses in pre-war times, my opinion is that now is the time to push really good sound honest remedies put up as patents. Insurance dispensing is a fraud. The remedy is: Mind your own business and push your own goods."

The Drug Crop.

"Now that we are gathering henbane, belladonna, and digitalis leaves for pharmaceutical use, may I venture to suggest the desirability of drying those which are required as leaves in other than the crumpled state now met with? If dried quite flat as for herbaria there would be no difficulty in identifying the specimens. It may also be noted that all soil should be carefully removed from the specimens by brushing, as the alkalinity of the earth alters the green colour to yellow or brown. It is a good wrinkle to dry the leaves either in the dark or wrapped up in several folds of newspaper or other cheap paper. I have dried grass which has preserved its green colour for a long time in this way."—*Abel Scholar.*

Tau Macksims

(As he Writes them).

The Pharmaceutical Council seem short of ideas, as usual, on this Army Commission business. Here are a few practical hints for them:

1. Go to the Government, and say to them:
2. We have given away one of our titles to your new pets—the chemical-trade;
3. And we have amalgamated with the Apothecaries' Hall, and have entirely remodelled our examinations to enable us to bring in another of your pets—the Army and Navy (and every other kind of) dispenser of physic, and we will whack them into shape in three months' time.
4. Our Junior Preliminary will rake them all in: will bring them up, so far as their brains will allow, and prevent any unqualified labour in future; also secure an ample supply for the higher branches.
5. Our Senior Preliminary is on a par with that of the University Colleges, and intended for the higher pharmacy posts.
6. The Apothecaries' examination is our Intermediate: for age seventeen, and after two years' experience.
7. Our Druggist examination is for retail traders at any age over nineteen, and after four years' experience.
8. Our Junior Pharmacist examination is at age twenty, and after five years' experience.
9. Our Senior Pharmacist examination, at age twenty-one and after six years' experience, mainly in hospital and dispensary work, including the most modern analytical and bacteriological work, will be able to fill your highest Army and Navy posts, and we ask recognition for the first batch of these men by a grant of commissions now.

If you go to work on these lines and hustle, you will get what you want. If you go with the old yarn, if you carry the old moss-grown bucket of professionalism to the old well, you will find that the well has gone dry—the doctors will see to that. You need not tell them you got the ideas from me—they will suspect that. They know you haven't got any, but don't let that stop you.

Dispensing Difficulties and Notes.

Two Quinine Mixtures.

SIR,—Will you please state the reason why the following prescription turns yellow when dispensed and forms a precipitate?—

| | | | |
|----------------------|-----|-----|--------|
| Quin. sulph. ... | ... | ... | 3j. |
| Liq. ferri perchlor. | ... | ... | 3ij. |
| Glycerin. peps. | ... | ... | 3j. |
| Glycerini ... | ... | ... | 3ij. |
| Aq. chlorof. ad | ... | ... | 3viij. |

Also will you state whether the following is an incompatible prescription? The quinine separated out when I dispensed it:

| | | | |
|----------------------|-----|-----|---------|
| Ferri et quinae cit. | ... | ... | gr. XL. |
| Liq. Donovan. | ... | ... | 3ij. |
| Glycerini ... | ... | ... | 3j. |
| Liq. strychninae | ... | ... | ℥XLV. |
| Aq. chlorof. ad | ... | ... | 3viij. |

Yours truly,

K. C. (97/4.)

[The first mixture when compounded by us does not turn yellow and throw down a precipitate: it is clear and ruddy brown. There does not appear to us any reason why the mixture should produce a precipitate. There is not, however, a wide margin of acid to retain the quinine in solution, and if a hard water were used in compounding the mixture it might account for the result obtained. The precipitate apparently contains some of both the iron and quinine. Our method of preparation was to place the quinine sulphate in a mortar and triturate it with the mixed liquids. Complete solution took place at once, and after standing a couple of days there is no change. In regard to the second mixture, Donovan's solution, containing a double iodide, is a very efficient alkaloidal precipitant, so that it is incompatible with both the quinine and the strychnine present in the mixture, these being precipitated as a double or treble iodide. Quite a nice mixture, however, can be compounded from the prescription. Place the citrate of iron and quinine and strychnine solution in a mortar; mix the Donovan's solution, glycerin, and chloroform-water; then add the mixed liquids to the ingredients in the mortar very gradually, and with continuous stirring. The precipitate is thus obtained in a very fine state of division, and diffuses perfectly when the mixture is shaken, remaining long enough in suspension to permit of equal distribution as the doses are poured out.]

A Mysterious Mixture.

SIR,—I shall thank you for any information you can give as to what was likely to cause following mixture to develop into a muddy pea-green colour. Patients taking it passed green-coloured urine:

| | | | | |
|------------------|-----|-----|-----|------|
| Potass. citrat. | ... | ... | aa. | 3iv. |
| Spt. ather. nit. | ... | ... | ... | 3j. |
| Syr. aurant. | ... | ... | ... | 3j. |
| Tinct. scillae | ... | ... | ... | 3ij. |
| Aquam ad | ... | ... | ... | 3x. |
| Ft. mist. | ... | ... | ... | ... |

Yours faithfully,

D. E. (93/42.)

[We have not succeeded in obtaining results similar to yours. The mixture remains free from muddiness, and has not developed a green colour. The slight cloud produced by the syrup of orange is all that prevents it from being water-clear. The cause of your results is probably some accidental contamination. Even if the mixture contain copper, we scarcely think it would affect the patient's urine. A slight contamination of methylene blue is suggested by the appearance of the mixture and the effect on the patient. It would be well to try a new set of ingredients.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

D. S. B. (90/72).—LIQUID EXTRACT OF MALT.—This is made by adding proof spirit to malt-extract. The concentration of malt-extract in the process of manufacture is continued until it reaches a sp. gr. of 1.375 at 60° F., when it is withdrawn from the vacuum vessel and mixed with sufficient spirit, previously diluted with water, gradually added, so that the final product shall contain 7.3 per cent. of alcohol, equal to about 15 per cent. of proof spirit by weight. The finished product has a sp. gr. of 1.250.

H. F. M. (91/21).—Frequent washing with alkaline solution is the best method of removing superfluous grease from the hair. There are disadvantages resulting from the use of grease-solvents.

A. B. C. (89/27).—The application of a solution of tartaric acid is usually satisfactory for removing copying-pencil stains from clothing. The acid may, however, affect the colour of the material, but this you can test on some inconspicuous part of the garment.

R. (92/4).—DESTRUCTION OF BEETLES.—See article in *C. & D.*, July 29, 1916, p. 795.

J. H. F. (90/46).—"Squire's Companion" was last published in 1916, the edition being the nineteenth. It is not at present proposed to publish another edition of "The Chemist-Optician."

Bram (91/55).—BLACK-CURRENT WINE.—The following is the general formula for this class of wine:

From the ripe berries contained in a twill bag press out the juice, and to every quart of it add 2 quarts of water with 2 lb. of sugar and 3 dr. of tartaric acid dissolved in it. To every quart of the liquid add 1 dr. of the best compressed yeast. The liquid should be put into a clean barrel filled to the bung-hole, which should be large and closed simply by a flap of canvas. Keep at a moderate but even temperature (say, 60°-65° F.) for six weeks, and then draw off into another vessel, and keep it there for from six to eight weeks longer, when it will be ready for bottling. The product is sometimes fortified by the addition of spirit of wine, brandy, or whisky.

J. T. (86/59).—We have not space to give you the uses and doses of the twenty drugs you mention. The information is given in standard reference-books, such as Martindale's "Extra Pharmacopoeia" or Squire's "Companion."

G. S. W. (86/24).—Vaseline smeared on the wind-screen of motor-cars prevents the view being obscured by rain.

G. E. M. (94/72).—THREAD SIZE.—The sample you send seems to consist entirely of resin soap in concentrated solution. It is prepared by boiling resin and caustic or carbonate of soda together, but it is now an article of commerce, and your experiments could begin with the solid resin soap. Resin soap is largely used as a size for paper. It has detergent properties, and is a constituent of common yellow soap.

W. N. (86/57).—The abrasive which you send, employed in dentifrices, is a diatomaceous powder—a carefully prepared kieselguhr.

Agricola (97/19).—LOTION FOR GREASE IN HORSES.—Our examination of this confirms your finding that it is a solution of zinc sulphate.

W. B. R. (9/7).—INFANT FEEDING.—In Cautley's "Artificial and Natural Methods of Feeding Infants" there is a reference to a report by Dr. Cameron, Leeds, made in 1893, which shows the superiority of natural feeding of infants in cases of infantile diseases. It is probable, however, that the advances made in the methods of feeding infants by artificial foods have so advanced since then that these differences have been largely neutralised.

A. T. (93/35).—BOOT-POLISH.—See *C. & D.*, October 16, 1915, p. 60, or "Pharmaceutical Formulas." The last-named work deals very fully with the various kinds of boot-polishes.

Specs. (81/62).—OPTICAL EXAMINATIONS.—Particulars are given annually in the Educational number of THE CHEMIST AND DRUGGIST, which this year will be the issue for August 18.

Flora (92/70).—EXTRACTION OF ODOURS FROM FLOWERS.—The process of enfleurage is explained in "Pharmaceutical Formulas" and most books on perfumery—e.g., *Piesse's* or *Atkinson's*. Briefly the method is as follows: The apparatus consists of frames the bottoms of which are sheet glass. A number of these frames, all of the same size, when placed one on the top of the other form a tolerably tight box. To make the pomade the fat mixture is spread on each side of the glass, and the blossoms are lightly strewn upon the upper surface. Then the frames are fitted together one on the top of the other. They are set aside, and next day the flowers are removed and fresh blossoms put in their place, this being repeated until the fat is sufficiently impregnated. From time to time the surface of the absorbent is scratched with a comb-like instrument, so that the lower portions of fat may receive some of the perfume. The "pomade" thus made is macerated with spirit, which extracts the perfume in a form in which it can be utilised.

G. N. (86/25).—BOOKS ON INCOME-TAX.—We cannot tell you which is the most complete book on income-tax, as we believe there are some ponderous law books on the subject. Books which are useful for ordinary purposes are Leeming's "Guide to the Income Tax" (E. Wilson, 2s. 6d.); Chambers's "Income-tax Guide" (W. & R. Chambers, 1s. 6d.); Jarvis's "Income Tax" (E. Wilson, 6s.).

R. B. H. (97/13).—CHLORAMINE-T. is toluene-sodium-sulphochloramide, used as a surgical antiseptic in 1 to 2 per cent. solution. Particulars were given in the *C. & D.*, February 19, 1916, p. 46.

L. K. C. (96/30).—FURNITURE-WORMS.—Fumigation with benzene is the best remedy for furniture-worms; this should be followed by a solution of mercury perchloride in spirit (60 gr. to the pint) to prevent reinfection. Further particulars of the remedies for this trouble were given in the *C. & D.*, March 28, 1914, p. 82.

W. G. (93/33).—PRESERVING PEAS.—The peas are shelled by machinery and washed to free them from mucilaginous matter. Next they are boiled in a solution of copper sulphate (1 oz. in 12 gals. of water) until soft, and then transferred to cold water, one or two changes of water being arranged for. On a large scale the peas are contained in a basket of tinned copper wire, which is raised from the cooking-pan and dipped into a tank of cold water near by. When cold and drained the peas are packed into tins or bottles, filled with brine, sealed airtight, and "processed" for a time, varying from five to fifteen minutes, according to the quality of the peas. The brine is made by dissolving 6 lb. of salt in 24 gals. of water, or if *sweet brine* is used it is made from salt 4 lb., sugar 4 lb., water 24 gals. Some manufacturers flavour the brine by boiling it with 1 lb. of sliced onion or four heads of lettuce. If the peas are extra farinaceous and form a sediment at the bottom of the jars, a little sodium carbonate ($\frac{1}{2}$ oz.) is added to the brine (10 gals.).

J. S. S. (77/10).—VALUING FIXTURES.—There are various ways of doing this part of shop stocktaking. Often the cost price is available, and forms a basis, or the valuation at which they were taken when the business changed hands. A local joiner's manager or clerk can often give a rough value, and this can be checked against a standard list. Plain wood showcases are measured up for the timber and then worked out by a shopfitting expert, who adds a proportion (too small as a rule) for the cost of the labour in making the cases. At the present time all cases are high in value, but as a rule the value goes down 50 per cent. in eight or ten years. Warehouse shelving or plain shop shelving is an expensive item to put in, and a shop well warehoused has often 100l. worth of such shelving against 100l. worth of window and shop fittings. Short notes on shopfitting valuation were given in the *C. & D.*, January 9 (p. 56), and January 30, 1909 (pp. 180 and 182). We shall be glad to have particulars of the system of stock-taking which you have evolved.

Itustic (27/7).—WHITENING THE HAIR.—The stage between grey and white hair which is disliked by some people is eliminated by frequent washing with alkalies—soap powder and sodium carbonate—and the whiteness intensified by the use of the blue-bag which laundresses use.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Aug. 15, 1867.

Professional Chemists.

In an article on "Professional Immoralities" the lack of training and qualification of professional chemists is referred to, and it is added:

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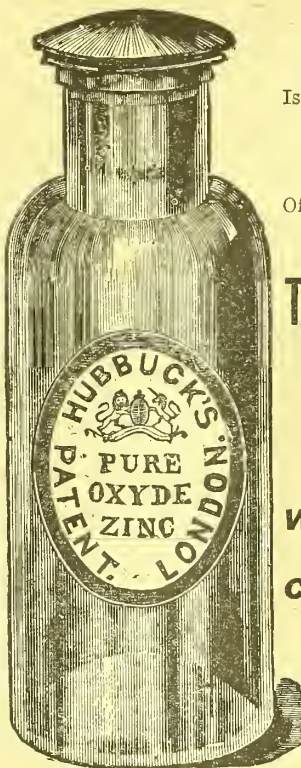
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Orris, English Ground, 1 cwt. @ 102 6/- cwt.;
7 lbs. @ 1/- lb.
Oss. Sepiæ Pulv., 1 cwt. @ 70/-; 7 lbs. @
9d. lb.
Otto Rose, finest, 1 oz. @ 53/- oz.; No. 2,
1 oz. @ 37 6/- oz.
Oxyneil Scillæ, B.P., 1 cwt. @ 95/- cwt.; * 7 lbs.
@ 11 1/2 lb.

Pipain, 1-80, 1 oz. @ 3/- oz.

Paraffinum Durum, B.P., 2 cwt. @ 7 1/2 lb.;
1 cwt. @ 8 1/2 lb.; 56 lbs. @ 8 1/2 lb.; 7 lbs.
@ 9 1/2 lb.; Mollæ Flav., B.P., 3 1/2 cwt. @
50/- cwt.; 1 cwt. @ 52 6/- cwt.; 28 lbs. @
6 1/2 lb.; 7 lbs. @ 7 1/2 lb.; Alb. B.P., 3 1/2
cwt. @ 92/- cwt.; 28 lbs. @ 1/- lb.
Paraldehyde, B.P., 1 lb. @ 15/9 lb.
Pepsin, B.P., 1 lb. @ 14/- lb.
Phenacetin, P.B., pulv., 1 lb. @ 98/- lb.
Phenazone, P.B., 1 lb. @ 64/- lb.
Phenolphthalein, 1 lb. @ 97 6/- lb.
Pix Burgund., Druggists', 1 1/2 cwt. @ 38/- cwt.;
7 lbs. @ 6d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ 123/- cwt.;
7 lbs. @ 1/2 lb.; Powder, 1 1/2 lb. extra.
Podophyll. Resina, P.B., 1 lb. @ 17 6/- lb.
Potassa Caustica Sticks, P.B., 1 lb. Bots. @
14/- lb.
Potass. Acetas. Gran., P.B., 28 lbs. @ 3/11 lb.;
7 lbs. @ 4/1 lb.
Potass. Bicarb. Pulv., 7 lbs. @ 2/4 lb.
Potass. Brom. P.B., 7 lbs. @ 7/6 lb.
Potass. Chlor. Pulv., 7 lbs. @ 3/2 lb.
Potass. Cit. B.P., 7 lbs. @ 4/8 lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/9 lb.
Potass. Iod., P.B., 14 lbs. @ 12/10 lb.; 3 lbs. @
13/3 lb.
Potass. Metabisulph., 7 lbs. @ 3/3 lb.
Potass. Permang. Cryst., 2 lbs. @ 16/- lb.
Potass. Prussias Flav., 7 lbs. @ 5/6 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 1/2 lb.;
c. Opio, B.P., 7 lbs. @ 3/2 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English
Ground, 56 lbs. @ 110/- cwt.
Pulv. Ipecac. Comp. P.B., 1 lb. @ 8/6 lb.
" Jalap Comp. P.B., 1 lb. @ 2/6 lb.
" Rhei Comp. P.B., 1 lb. @ 2/4 lb.

Quassia Chips, 1 cwt. @ 47/- cwt.; 28 lbs. @
5 1/2 lb.
Quinine Bisulph., 10 oz. @ oz.
Quinine Ethyl Carb. (Tasteless), 10 oz. @ oz.
Quinine Hydrobromas, B.P., 25 oz. @ 3/11
oz.; 10 oz. @ 4/- oz.
Quinine Hydrochlor., B.P., 25 oz. @ 3/10 oz.;
10 oz. @ 3/11 oz.
Quinina Sulph., B.P., 100 oz. @ 3/1 oz.; 25 oz.
@ 3/3 oz.; 10 oz. @ 3/4 oz.

Rad. Gentian, English Ground, 1 cwt. @ 118/-
cwt.; 7 lbs. @ 1/2 lb.
Rad. Glycyrrh., English Ground, 1 cwt. @ 72 6/-
cwt.; 7 lbs. @ 9d. lb.
Rad. Ipecac. Rio., 1 lb. @ 13/-
Rad. Jalap, English Ground, 28 lbs. @ 1/7 lb.;
7 lbs. @ 1/8 lb.
Rad. Rhei., E.I., English Ground, 1 cwt. @ 1/5
lb.; 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/9 lb.
Rad. Rhei., E.I. Trimmed, 7 lbs. @ 5/3 lb.;
1 lb. @ 5/9 lb.
Resorcin, B.P. 1 lb. @ lb.

Saccharine, 7 lbs. @ lb.; * 550/- or * 500, 1 lb.
@ lb.
Sacchar. Ust., 1 cwt. @ 85/- cwt.; 10 lbs.
@ 10 1/2 lb.
Saffron. Valencia, B.P., 7 lbs. @ 43/- lb.; 1 lb.
@ 45/- lb.; 1 oz. @ 3/- oz.
Sal. Acetos., 7 lbs. @ 2/10 lb.
Salicinum, B.P., 1 lb. @ 28/- lb.
Salol, B.P., 1 lb. @ 11/6 lb.
Sang. Draconis, pulv., English Ground, 7 lbs.
@ 3/- lb.
Santonium, P.B., 16 oz. @ 160/- lb.
Sapo Cast. Alb., 2 cwt. @ 60/- cwt.; 7 lbs. @
8 1/2 lb.; pulv., 1 cwt. @ 115/- cwt.; 56 lbs.
@ 1 1/2 lb.; 7 lbs. @ 1/3 lb.; Animal pulv.
1 cwt. @ 105/- cwt.; 56 lbs. @ 112/- cwt.;
7 lbs. @ 1/1 lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 10/- lb.;
1 lb. @ 10 6/- lb.
Shellac (Orange), 1 1/2 cwt. @ 225/- cwt.; 7 lbs.
@ 2/2 lb.
Soda Caustica, 6 1-lb. bots. @ 5/3 lb.
Soda Cit., B.P., 3 lbs. @ 3/6 lb.
Soda Sulphite, Recryst., 1 cwt. @ 35/- cwt.;
7 lbs. @ 4 1/2 lb.
Soda Sulphocarbolas, B.P., 7 lbs. @ 3/9 lb.;
1 lb. @ 4 1 lb.
Sodii Bromid., P.B., 7 lbs. @ 4/3 lb.
Soda Hyposulphite, pea cryst., 1 cwt. @ 34/-
cwt.
Soda Hypophosph., 7 lbs. @ 4/- lb.; 1 lb. @ 4/3.
Sodii Sulcyl. Pulv., 2 lbs. @ 10/6 lb.
* Spt. Ether Nit. P.B., 4 1/2 lbs. @ 4/9 lb.; 1 lb.
@ 5/2 lb.
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* " Chloroform, P.B., 5 lbs. @ 4/8 lb.
Strontiæ Bromid., 1 lb. @ 7/6 lb.
Strychnina Cryst. B.P., 4 oz. @ 4/5 oz.; Hydroch.
and Sulphate, 2d. oz. less.
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* " Ferri Phosph. Co., 7 lbs. @ 8d. lb.
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* " Pruni Virg. B.P., 7 lbs. @ 10d. lb.
* " Rhamni, 7 lbs. @ 1/1 lb.
* " Rhei, B.P., 7 lbs. @ 11d. lb.
* " Scillæ, P.B., 7 lbs. @ 7 1/2 lb.
* " Sennæ, P.B., 7 lbs. @ 1/- lb.
* " Folul, P.B., 7 lbs. @ 10 1/2 lb.

Thymol, 1 lb. @ 52/- lb.
Tinct. Aurantii Recens., B.P., 5 lbs. @
4/8 lb.; Aquos. 1/- lb.
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Aquos. 1/11 lb.
* Tinct. Benzoini Comp., 5 lbs. @ 5/1 lb.
* Tinct. Camph. Comp. P.B., 5 lbs. @ 3/5 lb.;
Aquos. 1/6 lb.
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* Tinct. Capsici, B.P., 5 lbs. @ 3/5 lb.; Aquos.
1/1 lb.
* Tinct. Card. Comp., P.B., 5 lbs. @ 2/9 1/2 lb.;
Aquos. 1/2 lb.
* Tinct. Catechu, P.B., 5 lbs. @ 3/1 1/2 lb.; Aquos.
1/2 lb.
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Aquos. 1/4 lb.
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Aquos. 1/4 lb.
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1/4 lb.
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1/5 lb.
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Aquos. 2/1 lb.
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* Tinct. Rhei Co. B.P., 5 lbs. @ 2/7 lb.; Aquos.
1/2 lb.
* Tinct. Scillæ, B.P., 5 lbs. @ 3/1 lb.; Aquos.
1/- lb.
* Tinct. Senegæ, P.B., 5 lbs. @ 3/10 lb.; Aquos.
1/7 1/2 lb.
* Tinct. Strophanth., P.B., 5 lbs. @ 4/8 lb.
* Tinct. Valerianæ, 5 lbs. @ 3/7 lb.; Aquos. 1/3
lb.
* Tinct. Valerianæ Amm., P.B., 5 lbs. @ 4/-
lb.; Aquos. 1/3 lb.
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* Tinct. Zingib. Fortior., 5 lbs. @ 5/7 lb.
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Turpentine (Best American), 1 gal. tins @ 6/3
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Flav., 28 lbs. @ 8d. lb.
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7 lbs. @ 1/6 lb.; 1 lb. @ 1/9 lb.
" Gallæ, P.B., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/1
lb.; c. Opio, 7 lbs. @ 5/9 lb.
" Hydrargyri, B.P., 28 lbs. @ 3/7 lb.; 7
lbs. @ 3/10 lb.
" Hydrarg. Ammon., B.P., 28 lbs. @ 1/8 lb.;
7 lbs. @ 1/10 lb.
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1/7 lb.
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11d. lb.; 7 lbs. @ 1/- lb.
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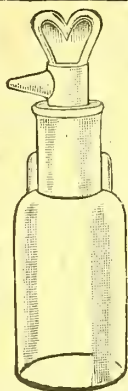
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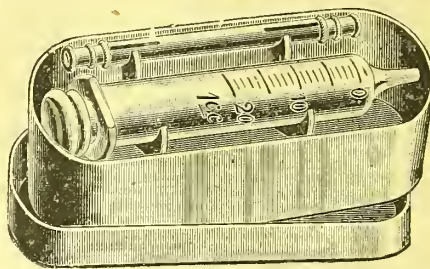
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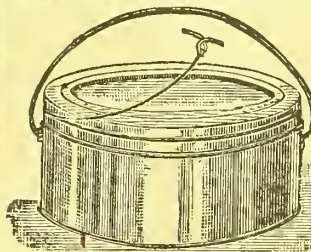
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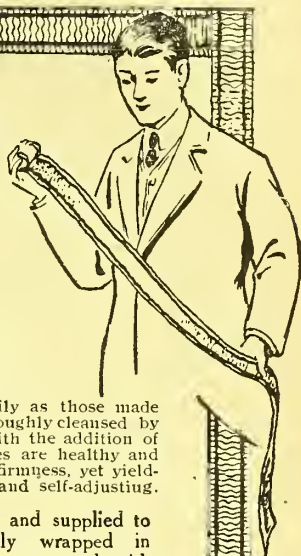
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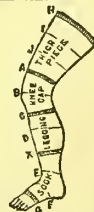
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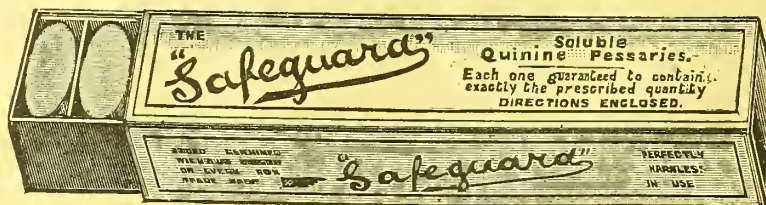
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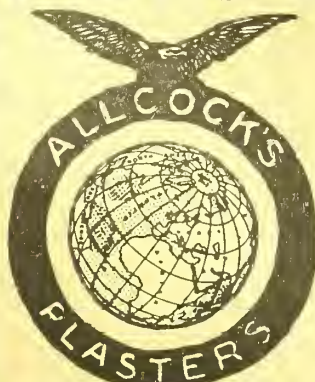
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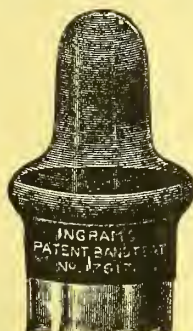
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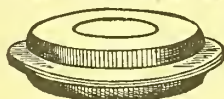
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In appearance, taste, and body practically the same as Glycerine.

Sweeter than Sugar.

Positively no chemicals used in its manufacture.

NULOMOLINE

THE BEST GLYCERINE SUBSTITUTE

Hygroscopic and Unfermentable.

Very suitable for Pharmaceutical preparations.

Recommended for tooth pastes and emulsions.

NULOMOLINE—the Honey of Sugar—may be used for most B.P. Syrups and Cordials.

Stocked in 6-cwt. Casks only.

Manufacturers: THE NULOMOLINE COMPANY of NEW YORK.

SOLE AGENTS for the United Kingdom and Colonies:—

FRED^K. BOEHM LIMITED

15, 16 & 17 JEWRY STREET, LONDON, E.C.3.

Scottish Office: 140 West George Street, Glasgow.

PATTINSON'S



MAGNESIA

CARBONATE, CALCINED AND FLUID.

THE WASHINGTON CHEMICAL CO., LIM., WASHINGTON, COUNTY DURHAM, ENGLAND.

London Agents—Messrs. CLIFFORD CHRISTOPHERSON & CO., 6 Lloyd's Avenue, London, E.C.

FILTER CLOTH

SAMUEL HILL, Ltd.

Hunters Lane, ROCHDALE.

Manufacturers for all purposes.

Telegraphic Address: "Filtering Rochdale." Telephone No.: 956 Rochdale.

COTTON, WOOLLEN and LINEN.

A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopoeia. (Wholesale only)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

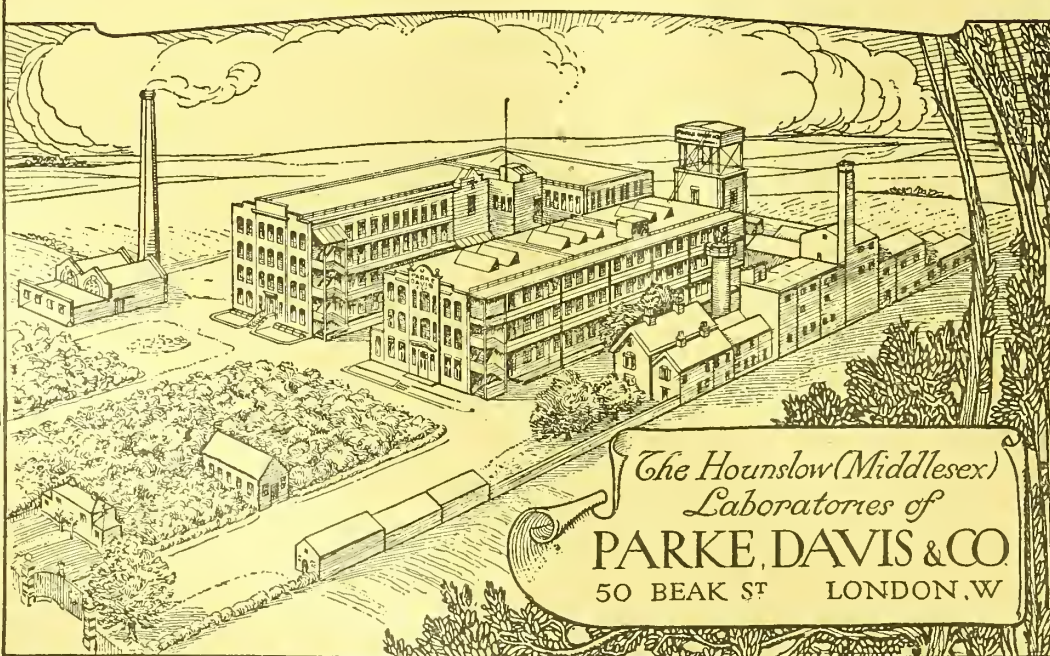
Extra Business

A preparation which is gaining in the public esteem is H_2O_2 . It has so many uses in the toilet and in the household that a steady demand may be created by introducing it to your customers.

Hydrogen Peroxide Solution, P., D. & Co.

is famed for its unequalled stability. Profits are protected, and, as it is made in England, prompt delivery is assured.

Send a card to-day for prices and
a leaflet detailing its applications.



WHEN YOU SEE THIS TRADE MARK ON A PACKAGE

you know you are getting
the **ORIGINAL — GENUINE**

WINGED LION BRAND HERBS in PACKETS

These Packets have the largest sale in the
United Kingdom by reason of their Purity
and Reliable Contents.

POTTER & CLARKE, Ltd.,

*Drug Merchants, Manufacturing Chemists,
Importers of Herbs, Roots and Barks,*

**60, 62 & 64 ARTILLERY LANE,
LONDON, E.**

And 24 LUNA ST., GT. ANCOATS, MANCHESTER.

Put up in
 $\frac{1}{4}$ -gross
cardboard
cartons.
7/6 per gross
net.



We guarantee this combination to
be one of the most genuine and
reliable on the market. The ingre-
dients stated upon the label are
absolutely pure.

Boxes containing 24 ... 20/- doz.

" " 36 ... 30/- "

POTTER & CLARKE, L^{TD}

60-64 ARTILLERY LANE, LONDON, E.

And at 24 LUNA STREET, MANCHESTER.

MANUFACTURERS OF

FLEXIBLE CAPSULES

We have recently installed new machinery for the
manufacture of Capsules and Perles, and have now one
of the most modern plants in the United Kingdom.

The "Winged Lion" Capsules do not shrink, con-
tract or go mouldy, but retain their flexibility for any
length of time.

All Capsules are filled with the purest ingredients
and are guaranteed effective.

SANTAL CAPSULES.—We would specially
direct your attention to the fact that we use the finest
"English drawn Santal Wood Oil" only, guaranteed
pure, in our Capsules.

CAPSULE LIST SENT ON RECEIPT OF BUSINESS CARD.

THE BRITISH DRUG HOUSES

B.D.H.

MARYLEBONE CREAM.

EXTRACT from the "Daily Mail," July 5, 1917.

"The exhibition at Central Hall, Westminster, was crowded yesterday afternoon when the popular demonstration of feeding the baby was given. Mr. Pearson demonstrated the uses of dried milk. As the season of infantile cholera, chiefly caused by dirty and decomposing milk, has begun, this substitute should be known. It costs no more than fresh milk, keeps good for a long time, and is free from disease germs. There are three grades, namely: full cream, half cream and separated.

Separated milk alone is, of course, not a fit food for infants; but with the addition of what is known all over the country as 'Marylebone Cream,' it contains all the nutriment a baby requires."

MARYLEBONE CREAM, B.D.H., is the original Nutritive Emulsion as prepared by us for the St. Marylebone General Dispensary, Infant Consultation Department, and recommended as a constituent of food for infants.

MARYLEBONE CREAM, B.D.H., is advertised in "Maternity and Child Welfare," and is there stated to be obtainable through Pharmacists, who will consequently receive inquiries for the preparation.

SUPPLIED ONLY IN BULK. SAMPLE AND LITERATURE ON REQUEST.

22-30, Graham Street, City Road, LONDON, N.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, AUGUST 11, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.' Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—MIDDLESEX (Distant Suburb).—Good-class Business; capital position; returns about £2,000; intending investors with £1,100 at command will find this a sound concern; full investigation invited.

2.—LONDON, S.W.—Good middle-class Retail and Dispensing Business; returns show a steady increase and are now over £1,600; well-appointed shop, handsomely fitted in mahogany, in modern style and fully stocked; vendor will accept first reasonable offer.

3.—RICHMOND, SURREY (near).—Very old-established Business; held by vendor many years, now retiring; returns about £870; profits above the average; first reasonable offer will be accepted.

4.—KENT (Suburban).—Middle-class Retail and Dispensing Business; no N.H.I.; returns £900; *net profit* £249; comfortable residence; moderate rental; price £275 on entry and balance, £175, by instalments; full investigation courted.

5.—LONDON, N. (Main Line of Rail).—For immediate Disposal, a good but neglected business returning, under Assistant, £1,270 at fair prices; books audited by accountant and stock taken annually; terms, small sum for goodwill and valuation of stock and fixtures.

6.—KENT (Good-class Suburb).—Established business; returns upwards of £1,400 yearly at fair prices; attractive shop; double-fronted; well-selected stock; rent £50 yearly; price £900.

7.—LONDON, N.E.—Ready-money Business: established many years; held by Vendor upwards of 25; now retiring; returns about £650; *net profit* £250; comfortable residence; terms, valuation of stock and fixtures; part payment entertained.

8.—SOUTH COAST.—Unopposed Mixed Country Retail Business with own Proprietaries; steadily increasing returns; now between £1,300 and £1,400; rent £45 for double-fronted shop and good seven-roomed house and garden; terms, lease and goodwill £120; stock and fixtures at valuation.

9.—SOUTH WEST OF ENGLAND (Health Resort).—Good-class Retail, with excellent sale for own proprietaries which have a local and postal sale; returns average about £700, and *net profit* £275; well-appointed shop and residence; held on lease; terms £50, and valuation of stock and fixtures.

10.—BERKS (Death Vacancy).—Middle-class Retail, also Photographic Business; returns, excluding Photographic, £546; comfortable residence with garden; rent £26; rates £7; no serious opposition; price £230, or near offer.

11.—BOURNEMOUTH.—Retail and Dispensing Business; held by vendor many years; returns £2,000 yearly at fair prices; terms, goodwill, £100; stock and fixtures by valuation.

12.—SUSSEX (Health Resort).—Retail and Dispensing Business situate in shopping thoroughfare in chief business centre; returns between £1,400 and £1,500; *gross profit* last year £570; well-appointed shop and comfortable residence; price about £1,000.

13.—HEALTH RESORT (Within Easy Reach of London).—Established Business; capital situation; returns under management about £12 weekly; scope for development under personal supervision; attractive double-fronted shop with comfortable residence attached; price £250.

14.—SURREY (Suburb).—Good-class Retail and Dispensing Business, with Optical connection, in select residential district; returns about £2,500 per annum; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BATTAM & HEYWOOD

(ESTD. 1837)

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.**

Balance Sheets Prepared. Books Audited.

3 DAVIES STREET, BERKELEY SQUARE, W.

Telephone: GERRARD 2169.

BERDOE & FISH**VALUERS & TRANSFER AGENTS,****35 Jewry Street, Fenchurch Street, City.**

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—**BIRMINGHAM**.—Very profitable Cash Retail, with several good Proprietaries and some Optical; main road position; low rent, on lease; returns £900; net profit last year £320, besides £30 from Agency attached to business; books properly kept; smart well-fitted Pharmacy, heavily stocked; urgent family reasons necessitate a quick sale; price only £450; much under valuation; strongly recommended.

2.—**WEST END**.—High-class Dispensing Business for private disposal; occupying a very prominent position, and with scope for considerable increase; returns average £2,000; excellent profits; books properly kept; price £1,100; references required; splendid chance for two smart men.

3.—**KING'S CROSS** (close to Station).—Death vacancy; for quick sale; profitable Cash Retail; returns £18 to £20 weekly, under management; plenty of scope; low rent; price simply valuation of stock and fixtures; or first reasonable offer accepted.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

BUSINESSES FOR DISPOSAL.

**3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.**

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

GREAT YARMOUTH.—Genuine old-established Business; good position; low rent on lease; well stocked; good trade all the year round; returns £2,000, with every prospect of considerable increase; price £1,400; easy terms to one taking early control. Shearman, 156 King Street.

KENT.—Old-established Business in one of the principal thoroughfares in good business town about 30 miles from London; spacious shop; plate-glass front; well-fitted shop; returns £1,200; fine opening for Optics, Dentistry, or Photography; price, valuation of stock and fixtures; stock can be much reduced to suit purchaser; fullest investigation invited, or Manager with view to purchase cuterained. National Insurance scrips about 1,000 per annum. Apply 45/26, Office of this Paper.

PROPRIETARY Ointment with registered trade mark; also Insecticide. Particulars from the Zamo Manufacturing Co., Newington Green, London, N. 16.

RETIREMENT caused by continued ill-health.—Parson C. Baker, 1 Mountfield Road, N. 3, is instructed to sell, for value of stock and fixtures only, prosperous Suburban Business, N.; returns over £1,000; scope for large extensions; scant opposition; small expenses; rent £38; good house; healthy district.

SALES BY AUCTION.

5 DUDLEY STREET, WOLVERHAMPTON.

TUESDAY, 14th AUGUST, 1917.

BOSWELL & TOMLINS, F.A.I., are instructed by Mr. W. B. Cooley, F.C.S., to Sell by Auction, without reserve, as above, the whole of the **STOCK-IN-TRADE** of a **CHEMIST and DRUGGIST**, including a varied assortment of high-class and costly Drugs, Lozenges, Tinctures, Ointments, Powders, Pills, Salines, etc.; Agricultural Chemicals and Veterinary Medicines; a large stock of used and unused finest **YORK GLASS BOTTLES**, stoppered, and many with gold and recess labels; Pindar's Rotary and other Pill Machines, Pill Rounders, Pallet Knives, Evaporating Dishes, Avery's Counter Scales, Dispensing Scales with silver pans, Pewter and other measures, Ointment Pans, Drug Mills, Filters, Copper Boilers and Bowls, Pill Boxes, Corks, etc., **TWO RARE ANTIQUE GUNMETAL MORTARS** dated 1690 and 1705, also the excellent Shop Fixtures and Fittings, including Spanish Mahogany Counters, Plate-glass Show Cases and Shelving, 15 **VALUABLE OLD PEAR-SHAPED TINCTURE BOTTLES**, etc., etc., together with the valuable proprietary **RECIPES AND PRESCRIPTIONS** in the exclusive ownership and possession of Mr. Cooley.

SALE AT 11 A.M. PROMPT.

Catalogues may be obtained from the Auctioneers' Offices, 88 & 89 Darlington Street, Wolverhampton.
Telephone 1116 (two lines).

FOR SALE.

FOURTEEN pounds of Saccharin Tablets, grain half 350 in 1, 110s. per pound; cash with order, post paid. Walton, Chemist, Batley Carr.

NATIONAL Cash Register (second-hand) to be Sold at once; prints receipts; latest type; cheap to early buyer. Write to F. Nicholls, 20 Bingfield Street, N.

SWIFT Folding Microscope for sale, in perfect condition; suitable for Bacteriological and other work; listed about £19 19s.; will accept £12 12s. net cash; Polarizer and Analyser, 35s. extra; also a separate set of Leitz Projection Oculars for Photo-Micrography; cost £5 5s.; sell £3. "Substago" (46/20), Office of this Paper.

14 LB. Saccharine guaranteed 550. Address S. J. Edwards, 15 Sherbrook Gardens, Wicmore Hill, London, N.

AGENCIES.

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AMBULANCE and First-Aid Requisites.—Recent Board of Trade Regulations.—Surgical and Sundries Houses having a nucleus of a business in the above should seize this golden opportunity which will guarantee continual sales (home and export), thereby counteracting any slump occurring when trade resumes a more normal aspect. Advertiser, with thorough knowledge of all requirements, publicity methods, etc., proved by results, is prepared to undertake entire control of production and sales either as a whole or part-time proposition, or as an agency; capital if necessary. "Opportunity" (43/37), Office of this Paper.

TO LET.

SHOP to be Let; double-fronted; splendidly situated in shopping centre of main road, and fitted as a Chemist's; occupied by Chemist for nearly 50 years; good business just closed owing to illness; fixtures at valuation; rent £50 per annum, tenant paying rates and taxes. Apply Harry Hooper & Co., Surveyors and Valuers, Estate Offices, Millwall, 14.

BUSINESSES WANTED.

ABOUT March 1918.—London.—Quick Store Business; no Optical, Dental, or Photo preferred (must be outside 5 mile radius from Marble Arch); Cash trade, and must show net profit of about £400; spot cash will be paid. Give full particulars of business and house to "Radix" (44/18), Office of this Paper.

WANTED to Purchase for Cash a genuine Business showing a net profit of about £200 per annum or upwards, with house accommodation preferred. State fullest particulars and class of trade done, in strict confidence, to "Radix" (44/34), Office of this Paper.

PARTNERSHIPS.

QUALIFIED Chemist, over military age, with exceptional experience, desires Partnership or Management in a first-class Family business, or would be prepared to negotiate for same on easy terms; Yorkshire preferred, but not essential; satisfactory reason for changing now. Apply 45/29, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK, AUG 4 1917
NATURE OF ADVT. REPLIES

MANAGER 43
DISPENSER 27
REPRESENTATIVE 21
ASST. MANAGER 12
BUSINESS WANTED 10



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BIRMINGHAM (Near).—Young lady Assistant required for progressive Chemists' business; one who has had previous experience with a Chemist preferred; state salary required and when at liberty. "Staff" (99/591), Office of this Paper.

BIRMINGHAM.—Capable unqualified man required to manage a Drug Store; must be over military age or have been rejected; salary and good commission on profits; lucrative berth to an energetic man. "Stores" (99/59), Office of this Paper.

BRIGHTON.—Outdoors; competent Assistant, mainly for Dispensing; hours 9 to 7.30, Wednesday 9 to 9, Thursday 9 to 1, alternate Sundays duty 9 to 2 and from 6 to 8. Apply, with full particulars, stating age, height, salary required, and enclose photo if possible, J. Colby & Co., 101 Western Road, Brighton.

BRISTOL.—Qualified Manager for Branch Business in Bristol; permanency for competent man; hours 8.30 to 8, Saturdays to 9, closed Wednesdays 1; no Sunday duty (outdoors). State age, salary, references, etc., to Managing Director, Hodders & Co., Ltd., 5 Nelson Street, Bristol.

BROADSTAIRS.—A competent Assistant required; ineligible for military service; must be a reliable Dispenser; state age, height, salary, and full particulars. Julian Horrell, Chemist, Broadstairs.

BUXTON.—Assistant, Improver, or Lady (with some experience); comfortable indoor berth. Apply, with particulars, age, photo, references, salary, experience, to A. Thresh, Pharmacist, Buxton.

DERBYSHIRE.—Wanted at once, unqualified Assistant, used to general shop routine and N.H.I. work; good recent reference essential; lady or gentleman (ineligible); good salary; easy hours. Apply E. J. Latham, M.P.S., Shirebrook, Derbyshire.

HALIFAX.—Wanted, a capable, unqualified Assistant, lady or gentleman (latter must be ineligible for military service); short hours; no Sunday or holiday duty; a good permanent berth and liberal salary to the right person. Apply, stating age, height, and salary required, with recent references, to Taylor's (Northern), Ltd., 4 Crown Street, Halifax.

HAMPSHIRE.—Experienced Clerk required for good-class Retail and Dispensing business. Apply Hunt & Co., 45 High Street, Winchester, Hants.

HAMPSHIRE.—Wanted, Improver, Junior, or lady Assistant, or any useful Help, temporarily or permanently, for first-class busy business in beautiful Hampshire country district, close to military camp; ideal spot for summer months. Particulars, saying when disengaged, references, and salary (outdoors), to Mr. Keeble, Lise, Hampshire.

HULL.—Wanted, a qualified Assistant for light N.H.I. Dispensing and part assistance at Retail Counter; state salary and when disengaged; easy hours. Apply 47/3, Office of this Paper.

LIVERPOOL.—Assistant; qualified: middle-aged or elderly; comfortable post; hours 9.30 to 8 P.M.; half-day weekly; alternate Sunday 6 to 8 P.M. Apply, stating salary (photo if possible), 45/25, Office of this Paper.

LONDON (Suburb).—Locum required for six or eight weeks; state usual particulars, salary expected, and when available. Apply J. P. Kendall, 69 Golders Green Road, N.W. 4.

LONDON, S.E.—Part-time Assistant required, ineligible for Army, with knowledge of Photography, to assist at Counter and N.H.I. Dispensing; hours 6-8, Saturday 2-9, and occasional Sunday duty. Write, stating age, experience, and salary required, L. P. Sharpe, 39 High Street, Thornton Heath.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed *c/o* this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

LONDON, S.W.—Lady Assistant required, with some Dispensing experience and good handwriting. Apply to A. J. Phillips, 156 Cromwell Road, South Kensington, S.W.

LONDON, W.—Evening help wanted, 6.30 till 8.30, first fortnight in September (3rd to 15th inclusive); no Sunday duty, and one Thursday off; suit lady with N.I. Dispensing experience. Apply Hopper, Pharmacist, 123 Wandsworth Bridge Road, S.W.

LONDON, W.C.—Qualified Locum wanted for two or three weeks in September. Burden & Co., Dispensing Chemists, 41 Store Street, Bedford Square, W.C. 1.

MAIDSTONE.—Qualified Manager for Branch: Light Retail and some Prescribing, with considerable General trade; suit married man; good house and garden; fine opening for Dentistry or Optics; purchase or part profits entertained. State age, salary, and references to Wells, Chemist, Maidstone.

MANCHESTER.—Laboratory man wanted, part or full time; experienced in making Emulsions, Ointments, and other B.P. preparations. Primo Drug Co., 5 Bury New Road, Manchester.

MANCHESTER.—Young lady, with some Counter and General experience, required for Chemist's establishment situate in working-class district; comfortable; permanency. "Manchester" (99/592), Office of this Paper.

NEWCASTLE-ON-TYNE. — Wanted, capable, unqualified Assistant, either sex, for quick Cash business at Stockton-on-Tees; must have excellent references. Milburns, Chemists, 95 Northumberland Street, Newcastle-on-Tyne.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Unqualified Assistant (ineligible) required immediately. Apply, with particulars of experience, etc., to J. T. Davies (Chemists), Ltd., 13 Walter Road, Swansea.

WEST OF ENGLAND.—Manager; capable and energetic; qualified; ineligible if of military age; no Sunday duty; knowledge of Agricultural trade if possible; salary £3 10s. per week and house, and 5 per cent. commission on all increased returns; plenty of scope. Apply, with full particulars, to 44/35, Office of this Paper.

A QUALIFIED Manager for a high-class business in Bradford. Please enclose photograph if possible. 98/16, Office of this Paper.

ASSISTANT for Dispensing Counter; also one with knowledge of Laboratory, Glassware, and Chemicals. Middleton & Co., Ltd., Middlesbrough.

ASSISTANT, unqualified (outdoors), elderly, or ineligible for military service, for middle-class Pharmacy; energetic and obliging; used to brisk Counter trade; no N.H.I. Dispensing; no Sunday duty; easy hours; half-holiday. Please state age, salary, references, Mousley, Chemist, Redditch.

ASSISTANT; lady or gentleman; some knowledge of Retail business necessary. In reply please give usual particulars, enclose photo, and state salary required, Harold Smith, Chemist, Cirencester.

ASSISTANT (either sex), with Dispensing and Counter experience and quick; short hours; no Sunday work. State salary asked (outdoors) and all particulars, Morrison, Tring.

DENTAL Operator-Mechanic wanted at once; good salary to competent man. Bidie, Chemist, Banbury.

DISPENSER, unqualified, in good-class Store business; easy hours; no Sunday or Bank Holiday duty; applicants should be women or men ineligible for the Army. Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

LADY Chemist required to manage unopposed business in small town in Kent; comfortable berth; easy hours; state salary, etc., in first letter. Apply 44/100, Office of this Paper.

LADY Dispenser required, August 24; Hall qualification; whole or part time; principally Doctor's dispensing. J. Elsworth Alcock, Pharmaceutical Chemist, 69 Churchfield Road, Acton, W. 3.

LADY Dispenser required immediately; duties very light; no bookkeeping; good salary. Dr. Ind, Sittingbourne, Kent.

LADY Assistant wanted; one used to first-class Retail and Dispensing. Apply, stating full particulars as to age, qualification, salary required, etc., Balkwill & Co., 106 Old Town Street, Plymouth.

LIBERAL salary to qualified Manager (lady or gentleman) for Retail business near London Bridge; must have good references; London applicants' phone Hop 1894 for interview. Austins, Ltd., 196/202 Bermondsey Street, London, S.E. 1.

LOCUM wanted (outdoors), August 14-27 inclusive. Garner, 204 Haverstock Hill, N.W. 3.

LOCUM for 14 days early September; mixed working-class business, with Insurance Dispensing. Apply, with full particulars, S. P. Billington, 79 Midland Road, Rotherham.

LOCUM, seaside, at once (outdoors); please state salary and give reference. Apply 44/36, Office of this Paper.

LOCUM (qualified preferred) at once for about four weeks; City business; short hours; no Sunday duty; close 1 p.m. Saturdays. Apply, stating age, etc., and salary required, to Hy. Lamplough, Ltd., 113 Holborn, E.C. 1.

LOCUM required, North London; week commencing August 20. Apply 46/24, Office of this Paper.

MANAGER wanted for Branch; must have good references; liberal treatment and a comfortable berth. Send full particulars to C. H. Griffiths, Ltd., Chemists, Droylsden, Manchester.

MANAGER for Dispensing business wanted. State full particulars to A. Milne, College Pharmacy, Cheltenham.

MANAGER required, qualified, to work up neglected business; small town in Kent; General Retail and N.H.I.; good opportunity for the right man. State salary, etc., 44/1, Office of this Paper.

MANAGER; qualified, experienced, and energetic; £3 10s. per week and house; share profits; over military age or ineligible; permanency. "London" (99/593), Office of this Paper.

MANAGER required for old-established good-class business; small country town in Kent; must be experienced, qualified, and ineligible for Army; opportunity occurs for partnership if desired (but not essential); easy hours. Give full particulars of experience in first letter, also age and references, to "Succession" (44/33), Office of this Paper.

MANAGER (qualified) wanted for good-class and Photographic business on South Coast; one with Optical knowledge preferred; salary, commission, and residence; permanency to suitable man. Write 46/23, Office of this Paper.

MANAGER required; over military age or ineligible; easy berth; good references essential. Apply, giving full particulars, to 100/4, Office of this Paper.

MANAGING Assistant wanted (outdoors), London; unqualified; good Salesman and Window-dresser; easy berth; no Sunday; no Dispensing. Send age, experience, and salary expected to 47/1, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME Dispenser wanted, N.H.I. Dispenser, for evenings and Saturdays (London). Apply 46/38, Office of this Paper.

QUALIFIED lady Assistant for good-class Dispensing business. State salary required (outdoors) to Miss Hutcheon, Brearey & Son, 10 Prospect Hill, Douglas, Isle of Man.

QUALIFIED Manager, age about 46, required immediately for Relief work; Yorkshire and Lancashire; permanency afterwards if satisfactory. "Relief" (99/590), Office of this Paper.

QUALIFIED Assistant required for Retail and N.H.I. Dispensing business in S.E. London; preference given to one ineligible for military service and able to produce satisfactory credentials. Apply 46/29, Office of this Paper.

SURGICAL Instrument Business Assistant for front shop. Address, stating age, wages expected, and duties accustomed to, Box "Surgical," Lee & Nightingale, Liverpool.

TEMPORARY qualified Assistant or Locum required, August 30 to September 14; two other Assistants kept; first-class Dispensing business. Sharman, Northwood.

THERE is a vacancy at Thompson & Capper's branch, 36 John William Street, Huddersfield, for a First Assistant; Minor qualification not necessary. Apply in the first place, enclosing photograph if possible, to Manesty Buildings, College Lane, Liverpool.

THE THROAT HOSPITAL, GOLDEN SQUARE, W.—Wanted, Assistant Lady Dispenser (part-time); salary £65 per annum; duties to commence September 3. Applications, stating age, experience, and qualifications, to W. Holt, Secretary-Superintendent.

WANTED, a reliable Assistant for good-class country business; small amount of N.H.I.; young lady and porter kept. F. Oldham, Chemist, Wisbech.

WANTED, a lady Assistant for middle-class Retail and National Insurance Dispensing in a small seaside Pharmacy; S.E. Coast; kindly state age, experience, qualifications if any, whether outdoors or indoors preferred, to "Sea Beach" (45/4), Office of this Paper.

WANTED in South London, services of a capable, experienced Window-dresser (male or female) to periodically dress windows by contract. Apply by letter, giving terms and stating time available, to "Windows" (45/13), Office of this Paper.

£3 WEEKLY to commence.—A vacancy will occur about end of September for capable, unqualified Assistant in medium-class Cash business in S.W. London suburb; must be ineligible military service, a reliable Dispenser, and a tactful and obliging Counterman; comfortable permanency, with excellent prospects for right man; highest references essential; please state age, height, and full particulars of experience; all replies treated in strict confidence. Apply 45/31, Office of this Paper.

PRACTICAL CHEMISTRY.—Wanted in September, in Boys' School near London, teaching in above to London Matric. standard; 5 or 6 hours a week; if more hours required some theoretical teaching, also Maths., could be added. Address "Headmaster" (43/1), Office of this Paper.

WHOLESALE.

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LONDON.—Competent Dry Counter hand, with good experience; ineligible for or retired from military service. State wage to 45/22, Office of this Paper.

A DENTIST and Chemical Manufacturer (both limited companies doing good business) desires to meet qualified Chemist with Analytical and Manufacturing experience; easy hours; small investment necessary; permanent position with very exceptional prospects; guaranteed returns and good salary. Write, giving fullest particulars, to Maurice Dudley, Chartered Accountant, Hertford Street, Coventry.

CLERK.—General Clerk required for Wholesale Drug business; must have had previous experience; be of good character; quick and accurate bookkeeping and accounts. Apply, stating age, experience, and salary required, R. A. Cripps & Son, Hove, Brighton.

CLERK with good knowledge of Drug Trade; experienced in pricing and extending invoices; good salary to suitable applicant; must be ineligible. Also an Assistant with knowledge of the Instrument trade required. Apply, with full particulars, to R. Sumner & Co., Ltd., 40 Hanover Street, Liverpool.

EXPERIENCED Assistant required for Druggist's Sundry and Surgical Department, for well-known house in the Midlands; able to take complete charge if necessary; ineligible for military service. State wage, experience, etc., 98/58, Office of this Paper.

FOR Wales and Ireland, to reside on territory, an energetic lady or gentleman Representative wanted for a leading Packed Goods and Manufacturing House; one who has a good connection amongst Chemists and possesses a sterling reputation for Salesmanship; gentlemen must be ineligible for military service; salary, expenses, and commission. State age, wage, experience, and full particulars to "Progress" (95/32), Office of this Paper.

PERFUMERY and Toilet Preparations.—Required, a gentleman, preferably middle-aged, with initiative and manufacturing experience; good prospects; permanency. Apply 98/23, Office of this Paper.

REQUIRED for Pharmaceutical Laboratory, lady Assistant with some knowledge of Bacteriology. Apply to F. W. G., Allen & Hanburys, Ltd., 7 Vere Street, W. 1.

SHIPPING Clerk (experienced) required for Export Druggist; free from military duties; previous experience in Drug Trade essential, and a knowledge of licences required. Apply by letter, giving full particulars and salary required, to 99/24, Office of this Paper.

SHORTHAND Typist (experienced) for order copying and correspondence. State experience and salary required, Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, Mile End.

WANTED, Clerk; also Invoice Typist; used to modern methods, with Drug Trade experience; good post. Apply W. B. Cartwright, Ltd., Compressed Tablet Manufacturers, Rawdon, near Leeds.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

ASSISTANT; Dispensing; Counter; over military age; Ex-tractor; Midlands preferred; disengaged shortly. "Calcium" (43/38), Office of this Paper.

ASSISTANT or Manager (L.P.S.I.); set at 50 (outdoors); disengaged September 6. "Licentiate," 26 Richmond Grove East, Longsight, Manchester.

ASSISTANT; very tall; age 43; unqualified; ineligible; neat and accurate Dispenser or Counter; first-class varied experience; good references; take charge. "Camphor" (45/21), Office of this Paper.

DISENGAGED shortly, Locum; reasonable terms; good references and experience. Apply 44/37, Office of this Paper.

DISPENSER (lady), Hall experienced, seeks post with Doctor or good Dispensing Chemist. Duke, 4 Beechwood Avenue, Plymouth.

DISPENSER (Hall), at liberty through exceptional circumstances, desires immediate holiday duties; experienced in Hospital, Dispensary, and N.H.I. Dispensing (little Retail); Army Reservist; excellent references; gentlemanly. Smith, 59 Leighton Road, Kentish Town, N.W.

DISPENSER (male); unqualified; set. 50; seven years at present employment; disengaged October, or sooner if suited. State salary, "Dispenser," c/o Drs. McBride and Arnold, Berkhamsted, Herts.

DISPENSER (Doctor's preferred); ineligible; unqualified; well up; 30 years' experience; disengaged. State salary, "B," 41 Marlborough Road, Forest Gate, E. 7.

DISPENSER; 38; widower; abstainer; discharged soldier; fine Hospital and Doctor's experience; highest references. Apply 45/1, Office of this Paper.

DOCTOR'S DISPENSER.—Situation required by experienced man; 22 years present employment; abstainer; excellent credentials; age 46. "Kendrew," 34 Queen Street, Scarborough.

EXPERIENCED Manager, 40, classed B1, conditionally exempt, desires post in busy shop; good wages. "Manager," M.P.S., D.B.O.A., 2 Parker Street, Levenshulme, Manchester.

LADY Dispenser (Hall) seeks post Hospital, Doctor or Institution; good references. Apply 43/29, Office of this Paper.

LADY Dispenser, Hall qualification, experienced, is disengaged for few weeks in September; Doctor or Institution preferred. Apply 44/6, Office of this Paper.

LADY Dispenser (Hall), some experience, wants Locum work for few weeks (September); South Coast; Doctor preferred. Oakdene, Park Gate Road, Wallington, Surrey.

LADY Dispenser, good training, unqualified, requires part-time engagement with Doctor of Chemist; London or near. Scott, 11 Plum Lane, Plumstead, S.E.

LADY Dispenser, age 19, unqualified, seeks post; Hospital preferred; London only. Miss D. Lawrence, 83 Warwick Avenue, Maida Vale, London.

LADY Dispenser (qualified, experienced) wants Locum work after September 4; Doctor or Institution preferred. Miss Saul, 129 High Street, Brentwood, Essex.

LOCUM, qualified, reliable, over military age, seeks light berth; country or seaside preferred; disengaged till September 8; moderate terms. Send offers to "Minor," 244 Brockley Road, Brockley, S.E.

LOCUM about end of August; qualified; 53; outdoors 55s., or arrangement indoors. Apply 46/53, Office of this Paper.

M.P.S., 28, B2, conditional exemption, married, requires situation as Manager; good references. Apply 45/37, Office of this Paper.

MANAGER; qualified; experienced; married; good-class business; Midlands or North; shortly disengaged. Apply 46/18, Office of this Paper.

MEDICAL Student desires position with Doctor; Surgical experience. Apply 41/27, Office of this Paper.

MR. T. HUTCHINGS, age 43, at present doing Locum work, will be requiring a permanency in a few weeks' time; S.W. district or easy distance from preferred; salary £4. Apply 44/2, Office of this Paper.

PART-TIME; Camberwell district; Saturdays after 2.30; also one or two evenings weekly. Apply 44/22, Office of this Paper.

PHARMACIST; businesslike; reliable; excellent testimonials; West-End Dispensing and Stores experience; locum or permanency. Apply 44/4, Office of this Paper.

PHARMACIST (elderly, active) wants post near Manchester. "Chemicus," 7 Highfield Street, Cheetham, Manchester.

QUALIFIED, 38, ineligible, seeks N.H.I. berth in September; London or near. "Salol" (43/40), Office of this Paper.

QUALIFIED; Locum, branch, or part-time. Chemist, 34 Wornington Road, W.

QUALIFIED (24) desires to replace "A" man; conditionally exempt; West-End experience. Full particulars of work and salary (over £3) to "Menthol" (45/22), Office of this Paper.

QUALIFIED Chemist, over military age, desires permanent post as Manager in good-class business; first-class Dispensing and General experience; good references; free end of September; interest in business entertained. Apply 45/38, Office of this Paper.

QUALIFIED; aged 44; Locum or Manager; experienced. Apply 46/21, Office of this Paper.

SPARE time Clerical work wanted; pricing Stock sheets or anything clerical connected with trade; responsible and experienced. Apply 44/27, Office of this Paper.

UNQUALIFIED Dispenser and Surgery Attendant; 52; 25 years Government employ; Devon or Cornwall preferred. Tyrrell, Evelyn Place, Plymouth.

WHOLESALE.

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ACCOUNTANCY.—Advertiser, qualified, 20 years' experience in Wholesale, seeks position as head of Accountancy staff; Departmental Statistics and Self-balancing Ledgers a speciality. Apply "Audit" (46/32), Office of this Paper.

CHEMIST, Major qualification, requires position in Wholesale or Manufacturing Laboratory; over military age. Particulars to "W." 98 Talbot Road, Old Trafford, Manchester.

EXPERIENCED, reliable Perfumer, military exempted, desires position with good house; able to make full line of Perfumes, Shampoos, Dentifrices, Shaving Creams, Soaps, etc.; capable buyer; excellent references; London district preferred. "Terpineol" (46/31), Office of this Paper.

GALENICAL LABORATORY WORKING FOREMAN; 14 years' thorough practical experience; married; 28; ineligible. "Veritas" (46/50), Office of this Paper.

GENTLEMAN desires position as Travelling Representative; over military age; 20 years' first-class experience; most successful interviewer of Doctors and Chemists; highest references. Apply 29/10, Office of this Paper.

GENTLEMAN, very tall, ineligible, seeks progressive position in Wholesale; 25 years' first-class Retail experience; good organiser; used to control. "Aspirin" (45/210), Office of this Paper.

WAR WANTS EXCHANGE.

For the interchange of scarce pharmaceutical products. Minimum charge (prepaid) which includes registration fee: 1/- for six words or less; 2d. per word beyond.

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

| | |
|----------------------------------|---|
| Adalin tablets (98/20) | Glycerin B.P. (guaranteed given) (47/2) |
| Butyl chloral hydrate (94/16) | Migraineine (98/20) |
| Chinoral (98/20) | Naftalan (98/20) |
| Chinosol solids (98/20) | Orthoform (98/20) |
| Colgate's shaving-sticks (98/20) | Pond's vanishing cream (98/20) |
| Elcaya cream (98/20) | Pyok tannin (94/16) |
| Eugallol (98/20) | Rhinoculin cream (98/20) |
| Euresol pro capillis (98/20) | Tumenol ammon. (98/20) |

FOR DISPOSAL.

Sole-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

| | |
|-------------------------------|-------------------------------|
| Allypin (46/25) | Diuretin, original (46/25) |
| Amidopyrin (46/25) | Medinal (46/25) |
| Butyl chloral hydrate (46/25) | Piperazine (Schering) (46/25) |
| Caffeine citrate (46/25) | Trional, original (46/25) |

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—100 Bovril 7% Ordinary, 20s. 4½ d.; 46 Camwal Preference, 6s. 3d.; three Debentures, £35 e.d.; 200 Mellin's Food £1 6% Preference, 13s. 6d.; 100 Sanitas, 21s.

Wanted (subject).—200 Allenbury Preference, 18s. 9d.; Peek Frean Preference, 17s.; 200 Wright Layman Preference, 19s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

100,000 SACCHARINE Tablets (½ gr. in 1), 17s. per 1,000. 16s. 9d. per 1,000 for 5,000; cash with order. **R. Hault**, Wholesale Druggist, 73 Elford Grove, Leeds.

SHOWCASES and Fittings.—Large quantity on hand: Wall Cases, Dispensing Screens, Drug Fittings, Counters, Silent Salesmen, Counter Cases, etc. Write inquiries, **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C. 1.

CHEMIST'S high-class Second-hand Fittings: 10 ft. handsome mahogany Plate-glass Piano Wall Case; 14 ft. Drug Fitting, labelled drawers and cupboards; 6 ft Dispensing Screen; 10 ft. Plate-glass-fronted Counter; 5 ft. Bent Plate-glass Counter Case; Silent Salesman; Perfumery Case and Desk, Label Drawers; the lot £110; absolute bargain; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, improvements, etc.; plans prepared; estimates submitted. Mill's Shopfront, Shop-fitting Glass Facia Works, 163 & 5 Old Street, E.C. 'Phone: L.W. 550.

Developing. Printing. Enlarging

Developing Spools, 6 Ex., 6d.; 12 Ex., 1/-; V.P.K., 6d. Prints up to and including 2-plate 1d. each.

ENLARGEMENTS. LIST FREE.

Prompt dispatch. Trade discount, 25 per cent. Postage extra.

MARTIN, Chemist, SOUTHAMPTON.

DEVELOPING and PRINTING.

BEST Results. QUICK Returns.

6 Exposures, any size, 4d. net. 12 Exposures, any size, 8d. net.

Price List on application to:

ESSEX DEVELOPING AND PRINTING CO.
4 Norlington Road, Leytonstone, E. 11.

YOUR CUSTOMERS WILL BE PLEASED WITH RESULTS IF THE ORDERS ARE GIVEN TO US.

THERE IS MONEY

to be made in the Photographic Department of your business, but the Developing, &c., must be **WELL** and **QUICKLY** done. We are experts, and return all work received by first post on same day. We pay return postage. Send for our list and give us a trial.

STEAD & CO., Photographic Experts, Duke St., BRIGHTON.

PAPER

White Demy, Yellow Wave (Binal, Brown Tissue, White and Coloured De, Small Hands (Whitey-Brown) Sulphites, Krafts and English Browns. Twine in 6 ea. balls 2/10/6 per doz. Parcel String in 1 lb. balls @ 15/- per doz. Samples sent on receipt of card stating size and weight of paper required. Cash with order.

D. W. BULL

4 Churchill Road, Homerton, E. 8.

HIGH PRICES FOR CAMERAS

Original Cost Price for Vest Pocket Kodaks, R.R. Lens, and Watch Pocket Cameras. Try us for Single Models, Dealers' Stocks, Ensignettes, &c. We reply promptly and courteously, and goods are returned at once, CARRIAGE PAID, if no business is done.

WATSONS, 84 High St., Sheffield.

FINEST QUALITY MILK POWDER. CASEIN.

Inquiries and Orders Solicited.

PRIDEAUX'S LTD., DEPT. C, MOTCOMBE, DORSET

LONDON OFFICE:

10 HOP EXCHANGE, Southwark Street, S.E.

YOU ARE SAFE

in handling **LORIMER'S**

SANATOGEN

Not only is it the finest obtainable, but it is also the most profitable. It yields

ONE HUNDRED PER CENT.

on cost to the Retailer.

JOHN LORIMER, Proprietor of A.-B. SANATOGEN,
119 Finsbury Pavement, LONDON, E.C.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.
3 and 4 ounce. 12 ounce. 6 and 8 ounce.

WHITE PHIALS, plain or teapoon.
½ ounce. 1½ ounce.

1 " 2 " **BLUE LOTION BOTTLES**, all sizes.

CORKS. Superior Quality. No advance in price.

6 and 8 ounce ... 1s. per gross, in 6 gross bags.
Vials ... 10d. per gross, in 3 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

I. ISAACS & CO., Glass Bottle Manufacturers,

106 Midland Road, St. Pancras, London, N.W. 1,

or **ISLINGTON BOTTLE COMPANY**,

7 New Inn Yard, Tottenham Court Road, London, W. 1.

Orders sent to either establishment have attention.

Established 100 Years.

Bankers: London County and Westminster Bank, Bloomsbury Branch.

ALL CHEMISTS SHOULD STOCK ABDINE

THE GOLD MEDAL FRUIT DRINK.

"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2½d.; Boxes of 13 Packets 1/3.

Order through your Wholesale Drug House.
D. McCLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.
Wholesale Prices on Application.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

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FOR DISPOSAL.

DENTAL.

FOR Sale, 12 Dental Show-pieces. R. Lamb, 123 West End Lane, London.

DRUGS AND CHEMICALS.

WILL accept first reasonable offer for 25 grs. Atropia Sulph. Robin, Chemist, Edinburgh.

OFFERS for 1 gross Winchesters (used), 1 lb. Buyl Chlor. Hyd., 4 oz. Phenazonum, 1 lb. Ext. Grindel. liq., 1 oz. Dormiolloung 10% Kalle; 4 oz. Salicin; 8 oz. Sod. Sulphocarb. Newton, Ballinrobe, Mayo.

PROPRIETARY ARTICLES.

RESORCINUM.—For sale, original 8-oz. bottle, "British Drug Houses," for 60s.; present price 72s. Wm. Maurer, Albert Road Junction, Southsea.

WANTED. >

2 x 2/9 Guaiacose (Bayer). Robin, Chemist, Edinburgh.

TABLET Machine; hand or power. Particulars to 44/30, Office of this Paper.

TABLET Machines wanted. Make and full particulars to 45/18, Office of this Paper.

EIKONOGEN; state quantity and price. Hinchcliffes. Photographers, Leicester.

STOKES Automatic Water Still; gas heated. State price, Curtis, Chemist, Brightlingsea.

ESSENTIAL Oil of Mustard. State quantity and price per lb. to 97/56, Office of this Paper.

ATOPHAN Tablets urgently wanted; quote price and quantity. Pearson, Woolston, Southampton.

SACCHARIN wanted. Quantity, strength, and price to Lloyd, 323 Coventry Road, Birmingham.

TABLETS in bulk, Phenacetin gr. 4, Caffein Cit. gr. 1. State quantity, maker, and price to 95/68, Office of this Paper.

TINS required for Boot Polish, Ointments, Metal Paste, etc. Samples and prices to Fortune & Co., "Brytenup" Polish Works, Preston.

OTTO of Rose.—Wanted, good brand Otto of Rose; state quantity and make and best cash price. Apply "Otto" (46/380), Office of this Paper.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

WINES and Spirits wanted; surplus stocks purchased from Chemists holding a licence. Send particulars and price to Belsher, Chemist, Bloxwich.

4 ounce Amber Flat Dispensing Bottles required immediately. Any firm able to supply communicate with Ashmores, International Pharmacy, 21 Dawson Street, Dublin.

At the Counter.

THE unconscious humour of the lay rendering of chemists' staples continues to relieve the drab monotony of the pharmacist's existence. Even in these serious days one must smile at some of the written requests handed over the counter, and another selection is given here.

It is next to marvellous the ingenuity displayed in the phonetic interpretation of well-known pharmaceuticals. For instance, what could be plainer to the average pharmacist in any part of the country than these?—"Icrepica one 1d.," "hipicuaana wind," "saserpheras oil," "diochlo," "bitter alic," "parramasetta ointment," "abrigldock," and "gum catcher." And yet how different the real spelling. The useful potassium-iodide salt is a stumbling-block to the unlearned; we have three different renderings before us—viz., "Iodipotisscum," "I di di of potash," and "highohdyed off pottash." The last-named is a triumph of elaboration. Tinct. guaiac. ammon. appears to give some trouble, and two samples are worthy of note—"Ammon-rated tincture of gudincam" and "volti tincture gum go a cum." There must surely have been some subtle meaning underlying the second writer's phrase, or why the juxtaposition of the "volti" and the "cum" and "go"? Our old friend H₂O₂ is ever present. Four of the last interpretations are "prock side of hidyriges," "aproxite hydrogen," "Broxide of acid," and "Aprogine of hydro-gine." In the last-named case it was described as "white like water for your hair." A request for "Silver's ink" did not denote a proprietary rival to Stephens or Bewley, but zinc sulphate. Two other pharmaceutical items before us are suggestive of a South American town. One is "san gulate" and the other is "castaria cigarra." In the first case sal volatile was intended, and the second was a free rendering of cascara sagrada. In the same foreign-sounding category may be placed the request for "saccreani," but the further information that they were "tablets for sweeting tea" made the meaning plain. "Aspins for the head" is easy, but not so easily translatable are "knightner," "oil of laciphus," "1d. of deal maber," "1d. pink leinent," "2d. of crassed for tuth acke."

The last comes from Ross, where Mr. J. H. Hart tells us he receives occasional humorous orders. He sends us two others—viz., "Head and stomach powder for one boy aged eight years, one for a boy five years head and stomach, and a head, stomach cooling and teething powder for baby one year and three months old"; "six paney of lawdenum i wonte it fore tone and so it will be all rite." Presumably the pharmacist knew who or what "tone" was, but we must confess to being puzzled.

While in the country we might consider a few Devon gems: "Penneth absess salts," "tablet eratic soap," "box of iron jellicoes." With these came a specimen of the Devon dialect as related by the same pharmacist, thus: "I suppose yer doant know nobody whot doesnt want nobody to do knowt for en do'e?"

Coming back to the metropolitan area, we have a representative batch from Mr. N. Denston-Roberts, of the Old Kent Road. These include "hodicolone," "animated tincture of quinine," "pagnatate of potash cristles," "bellerstick of soda to drive rheumatism out," "condend fluid," "glober sauce," "sachser monilk," "bezehiker," "arrish root," "squals poppys and valets," "yuycolipus," "atro-latic vinegar," "seizeat acid," "terra bean," "oil of sparrows," and "50 by self act quinine tablets." From the more-cultured Clapham Mr. Alfred Thomas tells us of being asked for "a pot of vaseline the sort you take externally," "constipated infusion of abusion" (sounds like a political discussion, but really inf. buchu conc.), "One pennie off coda," and "Two pennies off concert florid."

From Birmingham we hear of a boy of abnormal intelligence who interviewed a customer in the temporary absence of the principal. Reporting the incident, he said the man wanted to know "has Tompkins been," whereas it was subsequently discovered that the gentleman really wanted Tonkin beans. A Haslingden subscriber was asked for "anti-jellicoe herb"—an antidote that no doubt would be welcomed by the German Admiralty. Further investigation showed that angelica was required.

Finally, from the far-flung reaches of the Empire we have indications that this type of humour is not confined to the United Kingdom. Mr. Frank Ross, of Calcutta, sends us a sample of what the chemist is occasionally called upon to translate in India. It is the English rendering of a Bengali request which appears beneath it, and it reads "Insifoul Soal." Not many pharmacists even would guess that Eno's fruit-salt was intended. From Gezina, Pretoria, Mr. Arch. H. McNaught forwards two samples with a familiar home-like ring. One is for "penny salt of sorrow," and the other 6d. worth "sofen" or "saferen like this." "This" is a series of pencilled lines more resembling a troubled sea than the stigmata of *Crocus sativa*.